



Center for Health Statistics



November
2005

DATA
SUMMARY
No.
DS05-11000

This Data
Summary is
one of a
series of
leading
cause of
death reports.

Highlights

- In 2003 cancer was the second leading cause of death in California and in the United States.
- Approximately 86 percent of all cancer deaths in California were among people aged 55 and older in 2003.
- Among California residents, Whites had 71.5 percent of all cancer deaths in 2003.
- Among the major race/ethnic groups, Blacks had the highest age-adjusted cancer death rate (224.8 deaths per 100,000 population) in 2003.

Cancer Deaths California, 2000-2003

By Cheryl Wilson

Introduction

Cancer is characterized as a group of diseases with out-of-control growth and spread of abnormal cells in the body.¹ Cancer is a serious health problem that affects all race/ethnic groups in the United States (U.S.) and ranked second in 2003 among the leading causes of death in the U.S. and in California.^{2,3} Each year in the U.S. more than one million people will develop cancer. Although cancer can occur at any age, approximately 76 percent of all cancers are diagnosed in people aged 55 and older. Among Americans, the risk of developing cancer in one's lifetime is about 1 in 2 for men and 1 in 3 for women. Improvements in medical technology have led to earlier detection and better treatment of most cancers, resulting in more people surviving cancer each year.^{1,4}

In 2003 there were 54,307 cancer deaths among California residents, an increase of 0.7 percent from the 53,926 deaths reported in 2002.^{3,5} Preliminary data show that in 2003 the number of cancer deaths in the U.S. decreased slightly (0.5 percent) from 557,271 deaths in 2002 to 554,643 deaths in 2003.^{2,6}

Due to the prevalence of cancer deaths in this country, the U.S. Public Health Service established a health objective for Healthy People 2010 (HP2010) seeking to reduce the number of cancer deaths to an age-adjusted rate of no more than 159.9 per 100,000 population.⁷ California with an age-adjusted rate of 165.1 in 2003 did not meet this objective.

¹American Cancer Society, Inc. *Cancer Facts and Figures 2005*. Atlanta: American Cancer Society; 2005. URL: <http://www.cancer.org> Accessed August 1, 2005.

²National Center for Health Statistics. Deaths: Preliminary Data for 2003, *National Vital Statistics Reports*, DHHS Publication No. (PHS) 2005-1120, PRS 05-0162, Vol. 53, No. 15, February 2005.

³State of California, Department of Health Services. Death Records, 2003.

⁴Centers for Disease Control: Cancer Prevention and Control, *A National Action Plan for Cancer Survivorship: Advancing Public Health Strategies*. URL: <http://www.cdc.gov/cancer/survivorship> Accessed August 1, 2005.

⁵State of California, Department of Health Services, Death Records, 2002.

⁶National Center for Health Statistics. Deaths: Final Data for 2002, *National Vital Statistics Reports*, DHHS Publication No. (PHS) 2005-1120, PRS 04-0536, Vol. 53, No. 5, October 2004.

⁷United States Department of Health and Human Services. *Healthy People 2010 Objectives* (Second Edition, in Two Volumes). Washington, D.C., January 2001.

This report presents data on California's cancer deaths focusing on 2003 with comparisons of prior periods and includes data tables displaying the number of cancer deaths by race/ethnicity, age, and sex for each year from 2000 to 2003. The report also provides analysis of crude and age-adjusted death rates for California residents with the primary focus on year 2003. The cancer data included in this report are extracted from vital statistics records with deaths attributed to cancer deaths as defined by the International Classification of Diseases, Tenth Revision (ICD-10) codes C00-C97 in accordance with the National Center for Health Statistics (NCHS) Reports.⁸

Cancer Deaths

Tables 1-4 (pages 11-18) display California's cancer death data by race/ethnicity, age group, and sex for years 2000-2003.

Cancer deaths among California residents increased each year from 2000 to 2003. In 2000 (**Table 4**, pages 17-18) there were 53,005 deaths attributed to cancer and in 2003 (**Table 1**, pages 11-12) there were 54,307 deaths, an increase of 2.5 percent.

From 2000 to 2003 cancer deaths were higher for California male residents than for California female residents. Cancer deaths among California male residents increased each year from 2000 to 2003, ranging from 26,759 cancer deaths in 2000 to 27,495 deaths in 2003, a difference of 2.8 percent. Cancer deaths among California female residents, however, varied from 2000 to 2003. The lowest number of female cancer deaths was 26,246 occurring in 2000 and the highest number was 26,812 occurring in 2003, a difference of 2.2 percent.

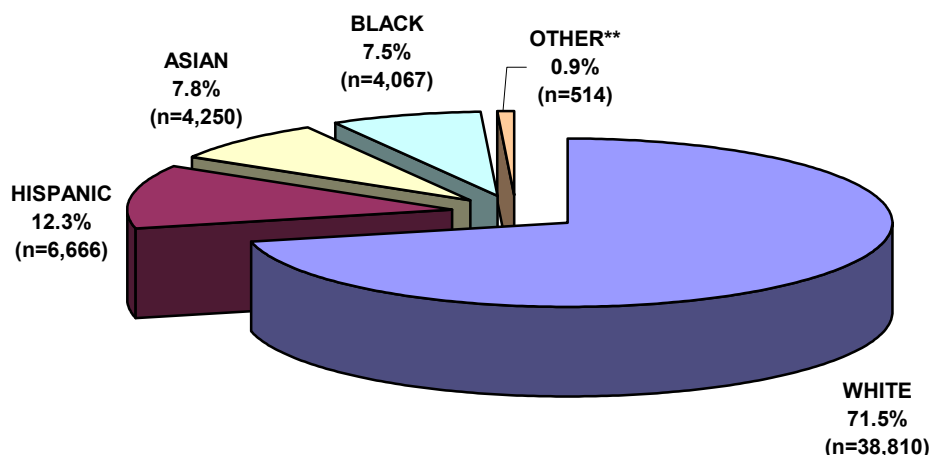
In 2003 California residents aged 55 and older accounted for 85.9 percent of all cancer deaths. From 2000 to 2002 the percentage of cancer deaths among California residents aged 55 and older ranged from 86.0 in 2000 and in 2002 to 85.5 in 2001. In 2003 males aged 55 and older accounted for 86.5 percent of all male cancer deaths while females aged 55 and older had 85.2 percent of all female cancer deaths.

As shown in **Figure 1** (page 3), Whites had the highest percent (71.5) of the total cancer deaths, followed by Hispanics (12.3 percent), Asians (7.8 percent), and Blacks (7.5 percent). The three remaining race/ethnic groups (American Indians, Pacific Islanders, and Two or More Races) combined had 0.9 percent of the total cancer deaths in 2003.

⁸National Center for Health Statistics. *Vital Statistics, Instructions for Classifying the Underlying Cause of Death*. NCHS Instruction Manual, Part 9. Public Health Service. Hyattsville, Maryland, 1999.

See the [Methodological Approach](#) section later in this report for an explanation of crude, age-specific, and age-adjusted death rates.

FIGURE 1
CANCER DEATHS BY RACE/ETHNICITY*
CALIFORNIA, 2003
(n=54,307)



Source: State of California, Department of Health Services, Death Records.

*Calculated using death data for California residents only.

**Other race groups include American Indian (178), Pacific Islander (150), and Two or More Races (186).

Cancer Crude Death Rates

As shown in **Tables 1-4** (pages 11-18), California's cancer crude death rate decreased each year from 2000 to 2003. In 2000 the crude death rate was 155.7 per 100,000 population and in 2003 the rate was 151.1, a decrease of 3.0 percent. The difference in crude death rates from 2000 to 2003 was statistically significant.

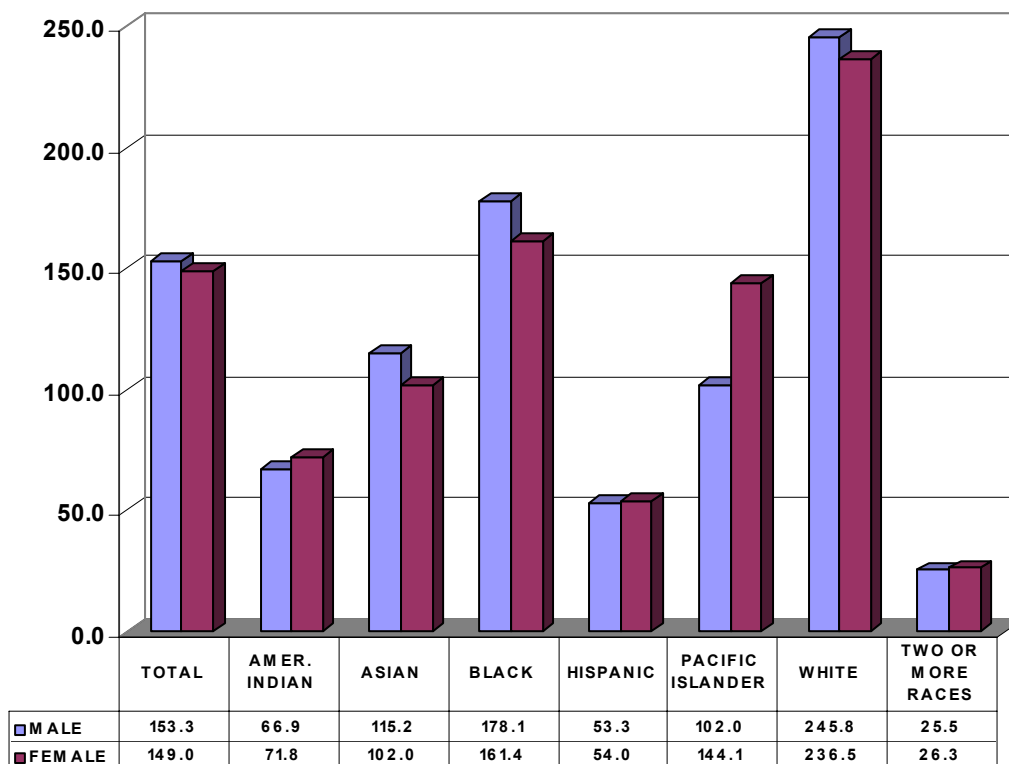
In 2003 Whites had the highest crude death rate (241.1), followed by Blacks (169.7), Pacific Islanders (123.1), Asians (108.4), American Indians (69.4), Hispanics (53.6), and Two or More Races (25.9).

Figure 2 (page 4) shows California male residents had a crude death rate of 153.3 per 100,000 population, and females had a crude death rate of 149.0. The difference in crude death rates between California male residents and California female residents was statistically significant.

A comparison of reliable crude death rates among males in 2003 shows Whites had the highest rate (245.8), followed by Blacks (178.1), Asians (115.2), Pacific Islanders (102.0), American Indians (66.9), Hispanics (53.3), and Two or More Races (25.5). Among females, Whites also had the highest reliable crude death rate (236.5), followed by Blacks (161.4), Pacific Islanders (144.1), Asians (102.0), American Indians (71.8), Hispanics (54.0), and Two or More Races (26.3).

See the Vital Statistics Query System (VSQ) at our Web site www.applications.dhs.ca.gov/vsq/default.asp to create your own vital statistics tables by cancer type (ICD-10).

FIGURE 2
CANCER CRUDE DEATH RATES
BY SEX AND RACE/ETHNICITY*
CALIFORNIA, 2003



Source: State of California, Department of Health Services, Death Records.
*Calculated using death data for California residents only.

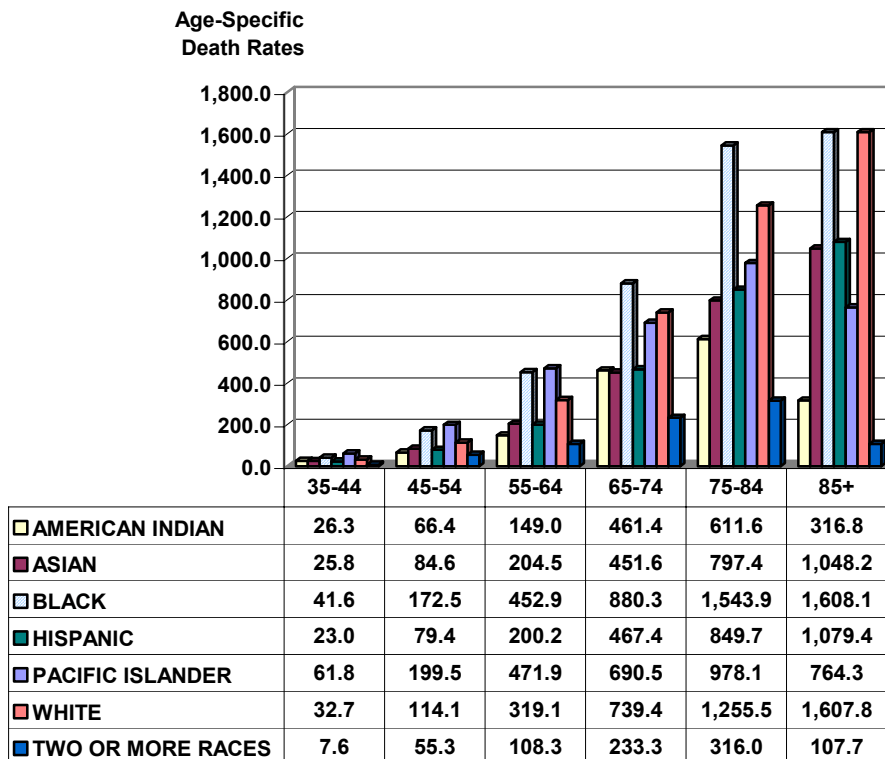
Cancer Age-Specific Death Rates

Table 1 (pages 11-12) shows that among California residents in 2003, reliable age-specific death rates increased with the age of the decedent beginning with the age group 1 to 4. The lowest reliable rate occurred in the 1 to 4 age group (2.9 deaths per 100,000 population) and the highest rate occurred in the 85 and older age group (1,482.5).

Among males and females in California, males had higher reliable age-specific death rates in the 1 to 4 through the 25 to 34, and 55 and older age groups, whereas females had higher reliable rates in the 35 to 44 and 45 to 54 age groups. The lowest reliable rate for males (3.2) and for females (2.6) occurred in the 1 to 4 age group.

As shown in **Figure 3**, age-specific death rates increased for all race/ethnic groups. Among the specific age groups, Blacks had the highest reliable rates in the 35 to 44 and 65 and older age groups, and Pacific Islanders had the highest reliable rates in the 45 to 54 and 55 to 64 age groups. Whites had the second highest reliable rates in the 35 to 44 and 65 and older age groups. Hispanics had the lowest reliable rate in the 35 to 44 age group, Two or More Races had the lowest reliable rates in the 45 through 84 age groups, and Asians had the lowest rate in the 85 and older age group.

**FIGURE 3
CANCER DEATH RATES
BY RACE/ETHNICITY AND AGE*
CALIFORNIA, 2003**



Source: State of California, Department of Health Services, Death Records.

*Calculated using death data for California residents only.

Note: American Indian, Pacific Islander, and Two or More Races had unreliable rates in the 35 to 44 and 85 and older age groups.

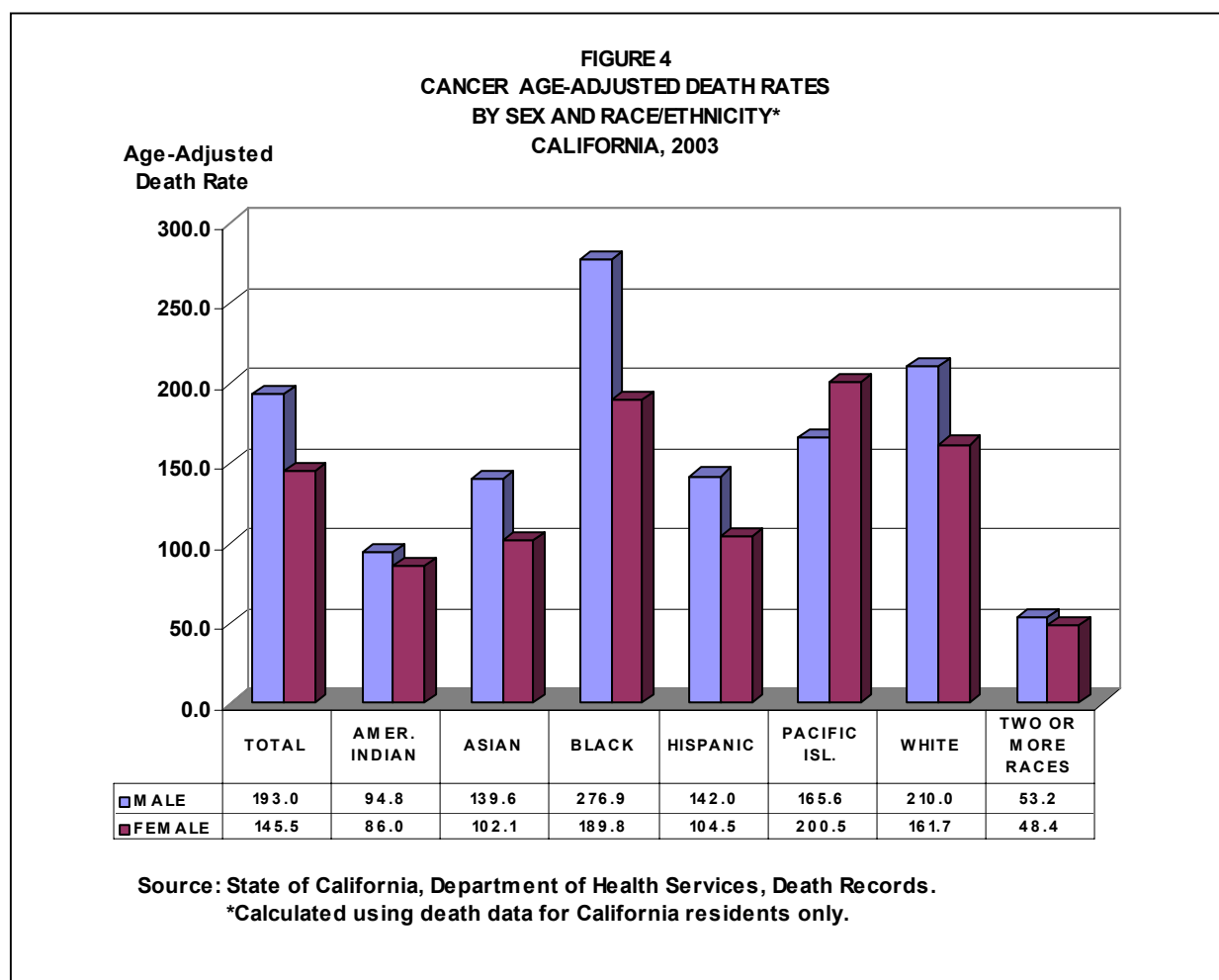
Cancer Age-Adjusted Death Rates

As shown in **Tables 1-4** (pages 11-18), California's age-adjusted death rate decreased each year from 2000 to 2003. In 2000 California's age-adjusted death rate was 179.6 per 100,000 population and in 2003 the rate was 165.1, a decrease of 8.1 percent. The difference between rates in 2000 and 2003 was statistically significant. From 2000 to 2003, California did not meet the Healthy People 2010 National Health Objective of reducing the number of cancer deaths to an age-adjusted rate of no more than 159.9 per 100,000 population.⁷ In 2003 California's age-adjusted death rate of 165.1 was lower than the U.S. age-adjusted death rate of 189.3 per 100,000 population.

As displayed in **Table 1** (pages 11-12), Blacks had the highest age-adjusted death rate (224.8 deaths per 100,000 population), followed by Pacific Islanders (182.7), Whites (181.4), Hispanics (120.0), Asians (118.1), American Indians (89.8), and Two or More Races (50.6). The differences in age-adjusted death rates between the race/ethnic groups were statistically significant, except for the differences between Asians and Hispanics, and Pacific Islanders and Whites.

Figure 4 shows cancer age-adjusted death rates among California residents by race/ethnicity and sex. In 2003 the age-adjusted death rate among males in California was significantly higher than the rate for females. The male age-adjusted death rate of 193.0 per 100,000 population was 1.3 times higher than the female rate of 145.5.

Among the race/ethnic groups, males had higher age-adjusted death rates than their female counterparts, with the exception of Pacific Islanders. In 2003 the differences in age-adjusted death rates between males and females within their respective race/ethnic groups were statistically significant for Asians, Blacks, Hispanics, and Whites.



Cancer Death Rates for California Counties

Table 5 (page 19) shows the number of cancer deaths averaged over a three-year period from 2001 to 2003 with crude and age-adjusted death rates for California and its 58 counties.

The three counties with the highest average number of cancer deaths were Los Angeles County at 13,581.7 or 25.1 percent of all cancer deaths in California, San Diego County with 4,655.0 deaths or 8.6 percent, and Orange County with 4,081.3 deaths or 7.6 percent.

Among the 55 counties with reliable crude death rates, Lake County had the highest rate, 312.4 deaths per 100,000 population, which was 3.0 times higher than the lowest rate of 104.3 in San Benito County. Yuba County had the highest reliable age-adjusted death rate of 226.0 and was 1.6 times higher than the lowest rate of 145.3 for San Benito County.

Comparing county age-adjusted death rates with the overall California rate shows two counties (**Table 5**, page 19) had rates significantly lower than the state age-adjusted death rate of 169.7 deaths per 100,000 population and 12 counties had rates significantly higher than the state rate. Ten counties (8 with reliable age-adjusted deaths rates) met the HP2010 Objective of no more than 159.9 age-adjusted cancer deaths per 100,000 population, and 27 counties had age-adjusted death rates that were not significantly different from the HP2010 Objective.

Cancer Deaths among the Three City Health Jurisdictions

Table 6 shows the three-year average (2001 to 2003) number of cancer deaths and crude death rates for California's three city health jurisdictions.

Age-adjusted death rates were not calculated for city health jurisdictions because city population data by age are not available.

Long Beach had the highest average number of deaths (659.3), followed by Pasadena (261.7), and Berkeley (159.3).

The crude death rates were 188.4 per 100,000 population for Pasadena, 152.8 for Berkeley, and 139.3 for Long Beach.

TABLE 6
CANCER INJURY DEATHS
AMONG THE CITY HEALTH JURISDICTIONS*
CALIFORNIA, 2001-2003

CITY HEALTH JURISDICTION	AVERAGE NUMBER OF DEATHS	2002 POPULATION	CRUDE DEATH RATE
BERKELEY	159.3	104,254	152.8
LONG BEACH	659.3	473,363	139.3
PASADENA	261.7	138,904	188.4

Note: Rates are per 100,000 population; ICD-10 codes C00-C97.

*Calculated using death data for California residents only.

Source: State of California, Department of Finance, E-4 Population Estimates for Cities, Counties and the State, 2001-2005, with 2000 DRU Benchmark, Sacramento, California, May 2005.

State of California, Department of Health Services, Death Records.

Methodological Approach

The methods used to analyze vital statistics data are important. Analyzing only the number of deaths has its disadvantages and can be misleading because the population at risk is not taken into consideration. Crude death rates show the actual rate of dying in a given population, but because of the differing age compositions of various populations, crude rates do not provide a statistically valid method for comparing geographic areas and/or multiple reporting periods. Age-specific death rates are the number of deaths per 100,000 population in a specific age group and are used along with standard population proportions to develop a weighted average rate. The weighted average rate is referred to as an age-adjusted death rate and removes the effect of different age structures of the populations whose rates are being compared. Age-adjusted death rates therefore provide the preferred method for comparing different race/ethnic groups, sexes, and geographic areas and for measuring death rates over time.

Age-adjusted rates are presented when the single, summary measure is needed, but data analysts should inspect age-specific rates first.⁹ Age-specific rates provide insights to important age-related mortality trends that can be masked by age-adjusted rates. For example, a shift in the number of deaths from one age group to another could produce very little change in the age-adjusted rate, but may warrant further investigation. In addition, analysis of age-specific rates can reveal that populations being compared do not show a consistent relationship (e.g., the trend is not in the same direction for all age-specific rates) in which case the analysis of age-specific rates is recommended over age-adjusted rates.

Data Limitations and Qualifications

The cancer death data presented in this report are based on the vital statistics records with ICD-10 codes I60-I69 as defined by the NCHS.² Deaths by place of residence means that the data include only those deaths occurring among residents of California, regardless of the place of death.

The term “significant” within the text indicates statistical significance based on the difference between two independent rates ($p < .05$). Significant difference between the county and State age-adjusted death rates was determined by comparing the 95 percent confidence intervals (CI) of the two rates, which are based on the rate, standard deviation, and standard error. Rates were considered to be significantly different from each other when their CIs (rounded to the nearest hundredth) did not overlap. If the upper limit of the county CI fell below the lower limit of the State CI, the county rate was deemed to be significantly lower. If the lower limit of the county CI exceeded the higher limit of the State CI, the county rate was deemed to be significantly higher. Significant differences of overlapping CIs were not addressed in this report. Overlapping CIs require a more precise statistical measure to determine significant and non-significant differences in rates because CIs may overlap as much as 29 percent and still be significantly different.¹⁰

The county or State age-adjusted mortality rates that equaled or surpassed the HP2010 objective target rate were noted as achieved, regardless of rate reliability. Readers are cautioned that measuring progress toward target attainment for a HP2010 objective

⁹Choi BCK, de Guia NA, and Walsh P. Look before you leap: Stratify before you standardize. *American Journal of Epidemiology*, 149: 1087-1096. 1999.

¹⁰van Belle G. *Statistical Rules of Thumb*, Rule 2.5. Wiley Publishing. March 2002

using only one data point is not recommended. HP2010 guidelines recommend using absolute differences between the target rate and the most recent data point as well as a progress quotient to measure relative changes over time in monitoring progress toward achieving the objective target rate.¹¹ See the guidelines for HP2010 objectives on the NCHS website at <http://www.cdc.gov/nchs/hphome.htm>

As with any vital statistics data, caution needs to be exercised when analyzing small numbers, including the rates derived from them. Death rates calculated from a small number of deaths and/or population tend to be unreliable and subject to significant variation. To assist the reader, the 95 percent CIs are provided in the data tables as a tool for measuring the reliability of death rates. Rates with a relative standard error (coefficient of variation) greater than or equal to 23 percent are indicated with an asterisk (*). The CIs represent the range of values likely to contain the “true” value 95 percent of the time.

Beginning in 1999 cause of death is reported using ICD-10.¹² Cause of death for 1979 through 1998 was coded using the International Classification of Diseases, Ninth Revision (ICD-9). Depending on the specific cause of death, the numbers of deaths and death rates are not comparable between ICD-9 and ICD-10. Therefore, our analyses do not combine both ICD-9 and ICD-10 data.

To meet the U.S. Office of Management and Budget minimum standards for race and ethnicity data collection and reporting, the report presents the following race/ethnic groups: American Indian, Asian, Black, Hispanic, Pacific Islander, White, and Two or More Races. Hispanic origin of decedents is determined first and includes any race group. Second, decedents of the Two or More Races group are determined and are not reported in single race groups. In order to remain consistent with the population data obtained from the Department of Finance, the single race groups are defined as follows: the “American Indian” race group includes Aleut, American Indian, and Eskimo; the “Asian” race group includes Asian Indian, Asian (specified/unspecified), Cambodian, Chinese, Filipino, Hmong, Japanese, Korean, Laotian, Thai, and Vietnamese; the “Pacific Islander” race group includes Guamanian, Hawaiian, Samoan, and Other Pacific Islander; the “White” race group includes White, Other (specified), Not Stated, and Unknown.

Caution should be exercised in the interpretation of mortality data by race/ethnicity. Misclassification of race/ethnicity on death certificates may contribute to death rates that may be understated among American Indians, Asians, Hispanics, and Pacific Islanders.¹³ This problem could contribute to understatements of rates for the Two or More Races group as well. All race groups may not be individually displayed on the tables due to unreliable rates, but the State totals do include their data.

Beginning in 2000 federal race/ethnicity reporting guidelines changed to allow reporting of more than one race on death certificates. California initiated use of the new guidelines on January 1, 2000 and collects up to three races. California’s population estimates recently added the multirace (Two or More Races) group. To be consistent with the population groups, current reports tabulate race of decedent using all races mentioned on

¹¹Keppel KG, et al. Measuring Progress in Healthy People 2010. Healthy People 2010 Statistical Notes, No. 25. National Center for Health Statistics. Hyattsville, Maryland. September 2004.

¹²World Health Organization. International Statistical Classification of Diseases and Related Health Problems. Tenth Revision. Geneva: World Health Organization. 1992.

¹³Rosenberg HM, et al. Quality of Death Rates by Race and Hispanic Origin: A Summary of Current Research, 1999. Vital and Health Statistics, Series 2, No. 128, National Center for Health Statistics, DHHS Pub. No. (PHS) 99-1328, September 1999.

the death certificate. Therefore, prior reports depicting race group statistics based on single race are not comparable with current reports.

The 2000 U.S. population standard was used for calculating age-adjustments in accordance with statistical policy implemented by NCHS.¹⁴ Age-adjusted death rates are not comparable when rates are calculated with different population standards, e.g., the 1940 standard population. Additionally, population data used to calculate city crude rates in **Table 6** (page 7) differ from population data used to calculate county crude rates in **Table 5** (page 19). Caution should be exercised when comparing the crude rates of the three city health jurisdictions with the crude rates of the 58 California counties. Age-adjusted rates for city health jurisdictions were not calculated.

A more complete explanation of age-adjustment methodology is available in the "Healthy People 2010 Statistical Notes" publication.¹⁵ Detailed information on data quality and limitations is presented in the appendix of the annual report, "Vital Statistics of California."¹⁶ Formulas used to calculate death rates are included in the technical notes of the "County Health Status Profiles" report.¹⁷

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¹⁴Anderson RN, Rosenberg HM. Age Standardization of Death Rates: Implementation of the Year 2000 Standard. National Vital Statistics Reports; Vol. 47, No. 3. National Center for Health Statistics. Hyattsville, Maryland. 1998.

¹⁵Klein RJ, Schoenborn CA. Healthy People 2010 Statistical Notes: Age Adjustment using the 2000 Projected U.S. Population. National Center for Health Statistics, DHHS Publication, No 20. January 2001.

¹⁶Ficenec S, Bindra K, Christensen J. Vital Statistics of California, 2002. Center for Health Statistics, California Department of Health Services, April 2004.

¹⁷Shippen S, Wilson C. County Health Status Profiles 2005. Center for Health Statistics, California Department of Health Services, April 2005.

TABLE 1
CANCER BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2003
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL		MALE		FEMALE	
										LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL															
UNDER 1	12	6	6	531,434	271,162	260,272	2.3 *	2.2 *	2.3 *	1.0	3.5	0.4	4.0	0.5	4.1
1 - 4	59	33	26	2,008,528	1,026,713	981,815	2.9	3.2	2.6	2.2	3.7	2.1	4.3	1.6	3.7
5 - 14	188	105	83	5,420,822	2,777,200	2,643,622	3.5	3.8	3.1	3.0	4.0	3.1	4.5	2.5	3.8
15 - 24	238	145	93	5,160,658	2,691,409	2,469,249	4.6	5.4	3.8	4.0	5.2	4.5	6.3	3.0	4.5
25 - 34	472	252	220	5,246,137	2,705,863	2,540,274	9.0	9.3	8.7	8.2	9.8	8.2	10.5	7.5	9.8
35 - 44	1,640	693	947	5,648,662	2,870,936	2,777,726	29.0	24.1	34.1	27.6	30.4	22.3	25.9	31.9	36.3
45 - 54	5,067	2,472	2,595	4,819,832	2,382,693	2,437,139	105.1	103.7	106.5	102.2	108.0	99.7	107.8	102.4	110.6
55 - 64	9,072	4,719	4,353	3,146,705	1,520,342	1,626,363	288.3	310.4	267.7	282.4	294.2	301.5	319.2	259.7	275.6
65 - 74	13,170	7,006	6,164	1,997,161	921,535	1,075,626	659.4	760.3	573.1	648.2	670.7	742.5	778.1	558.8	587.4
75 - 84	16,378	8,462	7,916	1,414,654	587,119	827,535	1,157.7	1,441.3	956.6	1,140.0	1,175.5	1,410.6	1,472.0	935.5	977.6
85 & OLDER	8,011	3,602	4,409	540,374	183,447	356,927	1,482.5	1,963.5	1,235.3	1,450.0	1,515.0	1,899.4	2,027.6	1,198.8	1,271.7
UNKNOWN	0	0	0												
TOTAL	54,307	27,495	26,812	35,934,967	17,938,419	17,996,548	151.1	153.3	149.0	149.9	152.4	151.5	155.1	147.2	150.8
AGE-ADJUSTED							165.1	193.0	145.5	163.7	166.5	190.7	195.4	143.7	147.2
AMERICAN INDIAN															
UNDER 1	0	0	0	3,180	1,629	1,551	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	9,091	4,692	4,399	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	0	0	0	41,585	21,049	20,536	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 - 24	1	1	0	41,597	21,270	20,327	2.4 *	4.7 *	0.0 +	0.0	7.1	0.0	13.9	-	-
25 - 34	1	0	1	34,537	17,157	17,380	2.9 *	0.0 +	5.8 *	0.0	8.6	-	-	0.0	17.0
35 - 44	11	3	8	41,759	20,278	21,481	26.3 *	14.8 *	37.2 *	10.8	41.9	0.0	31.5	11.4	63.0
45 - 54	26	10	16	39,151	18,614	20,537	66.4	53.7 *	77.9 *	40.9	91.9	20.4	87.0	39.7	116.1
55 - 64	36	21	15	24,166	11,540	12,626	149.0	182.0	118.8 *	100.3	197.6	104.1	259.8	58.7	178.9
65 - 74	54	27	27	11,703	5,454	6,249	461.4	495.0	432.1	338.3	584.5	308.3	681.8	269.1	595.0
75 - 84	38	18	20	6,213	2,604	3,609	611.6	691.2 *	554.2	417.2	806.1	371.9	1,010.6	311.3	797.0
85 & OLDER	11	4	7	3,472	1,263	2,209	316.8 *	316.7 *	316.9 *	129.6	504.0	6.3	627.1	82.1	551.6
UNKNOWN	0	0	0												
TOTAL	178	84	94	256,454	125,550	130,904	69.4	66.9	71.8	59.2	79.6	52.6	81.2	57.3	86.3
AGE-ADJUSTED							89.8	94.8	86.0	76.1	103.5	73.4	116.1	68.1	103.9
ASIAN															
UNDER 1	3	1	2	49,099	25,103	23,996	6.1 *	4.0 *	8.3 *	0.0	13.0	0.0	11.8	0.0	19.9
1 - 4	6	3	3	181,821	93,219	88,602	3.3 *	3.2 *	3.4 *	0.7	5.9	0.0	6.9	0.0	7.2
5 - 14	17	8	9	500,584	258,445	242,139	3.4 *	3.1 *	3.7 *	1.8	5.0	1.0	5.2	1.3	6.1
15 - 24	22	11	11	547,727	281,307	266,420	4.0	3.9 *	4.1 *	2.3	5.7	1.6	6.2	1.7	6.6
25 - 34	66	37	29	609,005	297,832	311,173	10.8	12.4	9.3	8.2	13.5	8.4	16.4	5.9	12.7
35 - 44	169	71	98	654,269	313,201	341,068	25.8	22.7	28.7	21.9	29.7	17.4	27.9	23.0	34.4
45 - 54	499	224	275	590,179	275,078	315,101	84.6	81.4	87.3	77.1	92.0	70.8	92.1	77.0	97.6
55 - 64	729	379	350	356,471	166,544	189,927	204.5	227.6	184.3	189.7	219.4	204.7	250.5	165.0	203.6
65 - 74	1,070	575	495	236,933	103,366	133,567	451.6	556.3	370.6	424.5	478.7	510.8	601.7	338.0	403.2
75 - 84	1,169	614	555	146,599	62,184	84,415	797.4	987.4	657.5	751.7	843.1	909.3	1,065.5	602.8	712.2
85 & OLDER	500	261	239	47,703	19,092	28,611	1,048.2	1,367.1	835.3	956.3	1,140.0	1,201.2	1,532.9	729.4	941.2
UNKNOWN	0	0	0												
TOTAL	4,250	2,184	2,066	3,920,390	1,895,371	2,025,019	108.4	115.2	102.0	105.1	111.7	110.4	120.1	97.6	106.4
AGE-ADJUSTED							118.1	139.6	102.1	114.5	121.6	133.7	145.6	97.7	106.5
BLACK															
UNDER 1	0	0	0	32,376	16,503	15,873	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	5	3	2	122,874	62,658	60,216	4.1 *	4.8 *	3.3 *	0.5	7.6	0.0	10.2	0.0	7.9
5 - 14	17	12	5	415,801	211,605	204,196	4.1 *	5.7 *	2.4 *	2.1	6.0	2.5	8.9	0.3	4.6
15 - 24	19	12	7	379,857	197,146	182,711	5.0	6.1 *	3.8 *	2.8	7.3	2.6	9.5	1.0	6.7
25 - 34	36	17	19	329,285	162,507	166,778	10.9	10.5 *	11.4	7.4	14.5	5.5	15.4	6.3	16.5
35 - 44	167	61	106	401,674	200,729	200,945	41.6	30.4	52.8	35.3	47.9	22.8	38.0	42.7	62.8
45 - 54	551	275	276	319,425	155,654	163,771	172.5	176.7	168.5	158.1	186.9	155.8	197.6	148.6	188.4
55 - 64	862	471	391	190,319	88,453	101,866	452.9	532.5	383.8	422.7	483.2	484.4	580.6	345.8	421.9
65 - 74	1,036	583	453	117,685	53,462	64,223	880.3	1,090.5	705.4	826.7	933.9	1,002.0	1,179.0	640.4	770.3
75 - 84	986	506	480	63,864	24,858	39,006	1,543.9	2,035.6	1,230.6	1,447.5	1,640.3	1,858.2	2,212.9	1,120.5	1,340.7
85 & OLDER	388	163	225	24,128	7,218	16,910	1,608.1	2,258.2	1,330.6	1,448.1	1,768.1	1,911.6	2,604.9	1,156.7	1,504.4
UNKNOWN	0	0	0												
TOTAL	4,067	2,103	1,964	2,397,288	1,180,793	1,216,495	169.7	178.1	161.4	164.4	174.9	170.5	185.7	154.3	168.6
AGE-ADJUSTED							224.8	276.9	189.8	217.8	231.9	264.5	289.3	181.3	198.3
HISPANIC															
UNDER 1	3	1	2	265,727	135,553	130,174	1.1 *	0.7 *	1.5 *	0.0	2.4	0.0	2.2	0.0	3.7
1 - 4	31	19	12	972,443	496,688	475,755	3.2	3.8	2.5 *	2.1	4.3	2.1	5.5	1.1	3.9
5 - 14	94	51	43	2,487,194	1,271,424	1,215,770	3.8	4.0	3.5	3.0	4.5	2.9	5.1	2.5	4.6
15 - 24	104	68	36	2,211,661	1,170,782	1,040,879	4.7	5.8	3.5	3.8	5.6	4.4	7.2	2.3	4.6
25 - 34	161	86	75	2,282,378	1,215,342	1,067,036	7.1	7.1	7.0	6.0	8.1	5.6	8.6	5.4	8.6
35 - 44	430	182	248	1,872,178	969,722	902,456	23.0	18.8	27.5	20.8	25.1	16.0	21.5	24.1	30.9
45 - 54	920	434	486	1,159,100	572,129	586,971	79.4	75.9	82.8	74.2	84.5	68.7	83.0	75.4	90.2
55 - 64	1,192	624	568	595,540	279,290	316,250	200.2	223.4	179.6	188.8	211.5	205.9	241.0	164.8	194.4
65 - 74	1,610	874	736	344,493	151,957	192,536	467.4	575.2	382.3	444.5	490.2	537.0	613.3	354.6	409.9
75 - 84	1,530	783	747	180,074	74,189	105,885	849.7	1,055.4	705.5	807.1	892.2	981.5	1,129.3	654.9	756.1
85 & OLDER	591	264	327	54,755	19,164	35,591	1,079.4	1,377.6	918.8	992.3	1,166.4	1,211.4	1,543.8	819.2	1,018.4
UNKNOWN	0	0	0												
TOTAL	6,666	3,386	3,280	12,425,543	6,356,240	6,069,303	53.6	53.3	54.0	52.4	54.9	51.5	55.1	52.2	55.9
AGE-ADJUSTED							120.0	142.0	104.5	116.9	123.0	136.8	147.3	100.8	108.3

Note: ICD-10 Codes C00-C97; rates are per 100,000 population.
Year 2000 U.S. standard population is used for age-adjusted rates.
American Indian, Asian, Black, Pacific Islander, White, and
Two or More Races exclude Hispanic ethnicity.
Hispanic includes any race category.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent.
+ Standard error indeterminate, death rate based on no (zero) deaths.
- Confidence limit is not calculated for no (zero) deaths.

Source: State of California, Department of Finance, Population Projections with Age, Sex and Race/Ethnic Detail, 2000-2050, May 2004.
State of California, Department of Health Services, Death Records.

TABLE 1 (Continued)
CANCER DEATHS BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2003
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL		MALE		FEMALE	
										LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL															
UNDER 1	12	6	6	531,434	271,162	260,272	2.3 *	2.2 *	2.3 *	1.0	3.5	0.4	4.0	0.5	4.1
1 - 4	59	33	26	2,008,528	1,026,713	981,815	2.9	3.2	2.6	2.2	3.7	2.1	4.3	1.6	3.7
5 - 14	188	105	83	5,420,822	2,777,200	2,643,622	3.5	3.8	3.1	3.0	4.0	3.1	4.5	2.5	3.8
15 - 24	238	145	93	5,160,658	2,691,409	2,469,249	4.6	5.4	3.8	4.0	5.2	4.5	6.3	3.0	4.5
25 - 34	472	252	220	5,246,137	2,705,863	2,540,274	9.0	9.3	8.7	8.2	9.8	8.2	10.5	7.5	9.8
35 - 44	1,640	693	947	5,648,662	2,870,936	2,777,726	29.0	24.1	34.1	27.6	30.4	22.3	25.9	31.9	36.3
45 - 54	5,067	2,472	2,595	4,819,832	2,382,693	2,437,139	105.1	103.7	106.5	102.2	108.0	99.7	107.8	102.4	110.6
55 - 64	9,072	4,719	4,353	3,146,705	1,520,342	1,626,363	288.3	310.4	267.7	282.4	294.2	301.5	319.2	259.7	275.6
65 - 74	13,170	7,006	6,164	1,997,161	921,535	1,075,626	659.4	760.3	573.1	648.2	670.7	742.5	778.1	558.8	587.4
75 - 84	16,378	8,462	7,916	1,414,654	587,119	827,535	1,157.7	1,441.3	956.6	1,140.0	1,175.5	1,410.6	1,472.0	935.5	977.6
85 & OLDER	8,011	3,602	4,409	540,374	183,447	356,927	1,482.5	1,963.5	1,235.3	1,450.0	1,515.0	1,899.4	2,027.6	1,198.8	1,271.7
UNKNOWN	0	0	0												
TOTAL	54,307	27,495	26,812	35,934,967	17,938,419	17,996,548	151.1	153.3	149.0	149.9	152.4	151.5	155.1	147.2	150.8
AGE-ADJUSTED							165.1	193.0	145.5	163.7	166.5	190.7	195.4	143.7	147.2
PACIFIC ISLANDER															
UNDER 1	0	0	0	1,612	824	788	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	5,968	3,081	2,887	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	0	0	0	20,242	10,342	9,900	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 - 24	3	1	2	20,994	10,740	10,254	14.3 *	9.3 *	19.5 *	0.0	30.5	0.0	27.6	0.0	46.5
25 - 34	2	1	1	20,422	10,089	10,333	9.8 *	9.9 *	9.7 *	0.0	23.4	0.0	29.3	0.0	28.6
35 - 44	13	4	9	21,047	10,435	10,612	61.8 *	38.3 *	84.8 *	28.2	95.3	0.8	75.9	29.4	140.2
45 - 54	30	15	15	15,034	7,444	7,590	199.5	201.5 *	197.6 *	128.1	271.0	99.5	303.5	97.6	297.6
55 - 64	41	15	26	8,688	4,226	4,462	471.9	354.9 *	582.7	327.5	616.4	175.3	534.6	358.7	806.7
65 - 74	34	13	21	4,924	2,356	2,568	690.5	551.8 *	817.8	458.4	922.6	251.8	851.7	468.0	1,167.5
75 - 84	21	9	12	2,147	935	1,212	978.1	962.6 *	990.1 *	559.8	1,396.5	333.7	1,591.4	429.9	1,550.3
85 & OLDER	6	4	2	785	327	458	764.3 *	1,223.2 *	436.7 *	152.7	1,375.9	24.5	2,422.0	0.0	1,041.9
UNKNOWN	0	0	0												
TOTAL	150	62	88	121,863	60,799	61,064	123.1	102.0	144.1	103.4	142.8	76.6	127.4	114.0	174.2
AGE-ADJUSTED							182.7	165.6	200.5	151.7	213.8	120.6	210.5	156.7	244.3
WHITE															
UNDER 1	6	4	2	168,928	86,181	82,747	3.6 *	4.6 *	2.4 *	0.7	6.4	0.1	9.2	0.0	5.8
1 - 4	17	8	9	608,995	311,436	297,559	2.8 *	2.6 *	3.0 *	1.5	4.1	0.8	4.3	1.0	5.0
5 - 14	59	34	25	1,786,666	918,847	867,819	3.3	3.7	2.9	2.5	4.1	2.5	4.9	1.8	4.0
15 - 24	86	51	35	1,831,860	947,345	884,515	4.7	5.4	4.0	3.7	5.7	3.9	6.9	2.6	5.3
25 - 34	201	107	94	1,885,206	961,929	923,277	10.7	11.1	10.2	9.2	12.1	9.0	13.2	8.1	12.2
35 - 44	844	368	476	2,579,091	1,318,760	1,260,331	32.7	27.9	37.8	30.5	34.9	25.1	30.8	34.4	41.2
45 - 54	3,006	1,499	1,507	2,633,665	1,323,757	1,309,908	114.1	113.2	115.0	110.1	118.2	107.5	119.0	109.2	120.9
55 - 64	6,171	3,187	2,984	1,933,678	952,538	981,140	319.1	334.6	304.1	311.2	327.1	323.0	346.2	293.2	315.0
65 - 74	9,316	4,910	4,406	1,259,989	594,985	665,004	739.4	825.2	662.6	724.4	754.4	802.1	848.3	643.0	682.1
75 - 84	12,594	6,514	6,080	1,003,097	416,813	586,284	1,255.5	1,562.8	1,037.0	1,233.6	1,277.4	1,524.9	1,600.8	1,011.0	1,063.1
85 & OLDER	6,510	2,904	3,606	404,890	134,702	270,188	1,607.8	2,155.9	1,334.6	1,568.8	1,646.9	2,077.5	2,234.3	1,291.1	1,378.2
UNKNOWN	0	0	0												
TOTAL	38,810	19,586	19,224	16,096,065	7,967,293	8,128,772	241.1	245.8	236.5	238.7	243.5	242.4	249.3	233.2	239.8
AGE-ADJUSTED							181.4	210.0	161.7	179.6	183.2	207.1	213.0	159.4	164.0
TWO OR MORE RACES															
UNDER 1	0	0	0	10,512	5,369	5,143	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	107,336	54,939	52,397	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	1	0	1	168,750	85,488	83,262	0.6 *	0.0 +	1.2 *	0.0	1.8	-	-	0.0	3.6
15 - 24	3	1	2	126,962	62,819	64,143	2.4 *	1.6 *	3.1 *	0.0	5.0	0.0	4.7	0.0	7.4
25 - 34	5	4	1	85,304	41,007	44,297	5.9 *	9.8 *	2.3 *	0.7	11.0	0.2	19.3	0.0	6.7
35 - 44	6	4	2	78,644	37,811	40,833	7.6 *	10.6 *	4.9 *	1.5	13.7	0.2	20.9	0.0	11.7
45 - 54	35	15	20	63,278	30,017	33,261	55.3	50.0 *	60.1	37.0	73.6	24.7	75.3	33.8	86.5
55 - 64	41	22	19	37,843	17,751	20,092	108.3	123.9	94.6	75.2	141.5	72.1	175.7	52.0	137.1
65 - 74	50	24	26	21,434	9,955	11,479	233.3	241.1	226.5	168.6	297.9	144.6	337.5	139.4	313.6
75 - 84	40	18	22	12,660	5,536	7,124	316.0	325.1 *	308.8	218.0	413.9	174.9	475.4	179.8	437.9
85 & OLDER	5	2	3	4,641	1,681	2,960	107.7 *	119.0 *	101.4 *	13.3	202.2	0.0	283.9	0.0	216.0
UNKNOWN	0	0	0												
TOTAL	186	90	96	717,364	352,373	364,991	25.9	25.5	26.3	22.2	29.7	20.3	30.8	21.0	31.6
AGE-ADJUSTED							50.6	53.2	48.4	43.1	58.1	41.8	64.5	38.5	58.4

Note: ICD-10 Codes C00-C97; rates are per 100,000 population.

Year 2000 U.S. standard population is used for age-adjusted rates.

American Indian, Asian, Black, Pacific Islander, White, and

Two or More Races exclude Hispanic ethnicity.

Hispanic includes any race category.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

+ Standard error indeterminate, death rate based on no (zero) deaths.

- Confidence limit is not calculated for no (zero) deaths.

Source: State of California, Department of Finance, Population Projections with Age, Sex and Race/Ethnic Detail, 2000-2050, May 2004.

State of California, Department of Health Services, Death Records.

TABLE 2
CANCER DEATHS BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2002
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	LOWER	UPPER	MALE LOWER	MALE UPPER	FEMALE LOWER	FEMALE UPPER
TOTAL															
UNDER 1	19	11	8	516,411	263,488	252,923	3.7	4.2 *	3.2 *	2.0	5.3	1.7	6.6	1.0	5.4
1 - 4	63	31	32	1,976,342	1,010,549	965,793	3.2	3.1	3.3	2.4	4.0	2.0	4.1	2.2	4.5
5 - 14	167	97	70	5,412,306	2,773,346	2,638,960	3.1	3.5	2.7	2.6	3.6	2.8	4.2	2.0	3.3
15 - 24	220	140	80	5,045,468	2,631,609	2,413,859	4.4	5.3	3.3	3.8	4.9	4.4	6.2	2.6	4.0
25 - 34	443	225	218	5,288,247	2,724,113	2,564,134	8.4	8.3	8.5	7.6	9.2	7.2	9.3	7.4	9.6
35 - 44	1,671	691	980	5,607,549	2,846,141	2,761,408	29.8	24.3	35.5	28.4	31.2	22.5	26.1	33.3	37.7
45 - 54	4,982	2,397	2,585	4,679,130	2,308,857	2,370,273	106.5	103.8	109.1	103.5	109.4	99.7	108.0	104.9	113.3
55 - 64	8,919	4,759	4,160	2,962,280	1,429,870	1,532,410	301.1	332.8	271.5	294.8	307.3	323.4	342.3	263.2	279.7
65 - 74	13,500	7,246	6,254	1,954,020	896,870	1,057,150	690.9	807.9	591.6	679.2	702.5	789.3	826.5	576.9	606.3
75 - 84	16,228	8,352	7,876	1,383,065	571,663	811,402	1,173.3	1,461.0	970.7	1,155.3	1,191.4	1,429.7	1,492.3	949.2	992.1
85 & OLDER	7,714	3,510	4,204	513,989	171,306	342,683	1,500.8	2,049.0	1,226.8	1,467.3	1,534.3	1,981.2	2,116.8	1,189.7	1,263.9
UNKNOWN	0	0	0												
TOTAL	53,926	27,459	26,467	35,338,807	17,627,812	17,710,995	152.6	155.8	149.4	151.3	153.9	153.9	157.6	147.6	151.2
AGE-ADJUSTED							169.4	200.2	148.0	168.0	170.8	197.8	202.6	146.2	149.8
AMERICAN INDIAN															
UNDER 1	0	0	0	975	497	478	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	10,125	5,213	4,912	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	1	1	0	39,005	19,736	19,269	2.6 *	5.1 *	0.0 +	0.0	7.6	0.0	15.0	-	-
15 - 24	1	1	0	37,805	19,399	18,406	2.6 *	5.2 *	0.0 +	0.0	7.8	0.0	15.3	-	-
25 - 34	5	4	1	32,536	16,203	16,333	15.4 *	24.7 *	6.1 *	1.9	28.8	0.5	48.9	0.0	18.1
35 - 44	7	5	2	39,544	19,207	20,337	17.7 *	26.0 *	9.8 *	4.6	30.8	3.2	48.9	0.0	23.5
45 - 54	26	11	15	35,940	17,069	18,871	72.3	64.4 *	79.5 *	44.5	100.2	26.4	102.5	39.3	119.7
55 - 64	35	20	15	21,530	10,335	11,195	162.6	193.5	134.0 *	108.7	216.4	108.7	278.3	66.2	201.8
65 - 74	49	24	25	10,593	4,921	5,672	462.6	487.7	440.8	333.1	592.1	292.6	682.8	268.0	613.5
75 - 84	45	25	20	5,571	2,305	3,266	807.8	1,084.6	612.4	571.7	1,043.8	659.4	1,509.8	344.0	880.8
85 & OLDER	9	3	6	2,885	1,015	1,870	312.0 *	295.6 *	320.9 *	108.1	515.8	0.0	630.0	64.1	577.6
UNKNOWN	0	0	0												
TOTAL	178	94	84	236,509	115,900	120,609	75.3	81.1	69.6	64.2	86.3	64.7	97.5	54.8	84.5
AGE-ADJUSTED							101.2	120.0	86.4	85.7	116.7	94.2	145.8	67.3	105.4
ASIAN															
UNDER 1	2	2	0	45,926	23,458	22,468	4.4 *	8.5 *	0.0 +	0.0	10.4	0.0	20.3	-	-
1 - 4	9	5	4	178,330	91,534	86,796	5.0 *	5.5 *	4.6 *	1.7	8.3	0.7	10.3	0.1	9.1
5 - 14	19	13	6	507,351	262,076	245,275	3.7	5.0 *	2.4 *	2.1	5.4	2.3	7.7	0.5	4.4
15 - 24	19	12	7	557,144	284,561	272,583	3.4	4.2 *	2.6 *	1.9	4.9	1.8	6.6	0.7	4.5
25 - 34	50	25	25	644,621	313,918	330,703	7.8	8.0	7.6	5.6	9.9	4.8	11.1	4.6	10.5
35 - 44	183	84	99	659,156	314,894	344,262	27.8	26.7	28.8	23.7	31.8	21.0	32.4	23.1	34.4
45 - 54	515	235	280	578,796	268,890	309,906	89.0	87.4	90.3	81.3	96.7	76.2	98.6	79.8	100.9
55 - 64	724	387	337	337,662	157,274	180,388	214.4	246.1	186.8	198.8	230.0	221.6	270.6	166.9	206.8
65 - 74	1,026	520	506	233,048	101,009	132,039	440.3	514.8	383.2	413.3	467.2	470.6	559.1	348.8	416.6
75 - 84	1,078	596	482	137,756	58,678	79,078	782.5	1,015.7	609.5	735.8	829.3	934.2	1,097.3	555.1	663.9
85 & OLDER	449	236	213	41,956	16,705	25,251	1,070.2	1,412.8	843.5	971.2	1,169.2	1,232.5	1,593.0	730.2	956.8
UNKNOWN	0	0	0												
TOTAL	4,074	2,115	1,959	3,921,746	1,892,997	2,028,749	103.9	111.7	96.6	100.7	107.1	107.0	116.5	92.3	100.8
AGE-ADJUSTED							118.4	141.8	100.9	114.7	122.1	135.7	148.0	96.4	105.4
BLACK															
UNDER 1	5	2	3	27,144	13,839	13,305	18.4 *	14.5 *	22.5 *	2.3	34.6	0.0	34.5	0.0	48.1
1 - 4	2	2	0	126,271	64,316	61,955	1.6 *	3.1 *	0.0 +	0.0	3.8	0.0	7.4	-	-
5 - 14	8	4	4	411,254	209,155	202,099	1.9 *	1.9 *	2.0 *	0.6	3.3	0.0	3.8	0.0	3.9
15 - 24	12	6	6	358,775	185,649	173,126	3.3 *	3.2 *	3.5 *	1.5	5.2	0.6	5.8	0.7	6.2
25 - 34	30	13	17	327,826	161,945	165,881	9.2	8.0 *	10.2 *	5.9	12.4	3.7	12.4	5.4	15.1
35 - 44	146	49	97	395,874	197,451	198,423	36.9	24.8	48.9	30.9	42.9	17.9	31.8	39.2	58.6
45 - 54	543	263	280	304,136	147,575	156,561	178.5	178.2	178.8	163.5	193.6	156.7	199.8	157.9	199.8
55 - 64	857	487	370	179,445	83,390	96,055	477.6	584.0	385.2	445.6	509.6	532.1	635.9	345.9	424.4
65 - 74	1,036	567	469	113,055	51,054	62,001	916.4	1,110.6	756.4	860.6	972.2	1,019.2	1,202.0	688.0	824.9
75 - 84	965	511	454	62,587	24,248	38,339	1,541.9	2,107.4	1,184.2	1,444.6	1,639.1	1,924.7	2,290.1	1,075.2	1,293.1
85 & OLDER	378	167	211	23,307	6,933	16,374	1,621.8	2,408.8	1,288.6	1,458.3	1,785.3	2,043.4	2,774.1	1,114.8	1,462.5
UNKNOWN	0	0	0												
TOTAL	3,982	2,071	1,911	2,329,674	1,145,555	1,184,119	170.9	180.8	161.4	165.6	176.2	173.0	188.6	154.1	168.6
AGE-ADJUSTED							228.9	286.4	191.2	221.6	236.1	273.5	299.3	182.5	199.8
HISPANIC															
UNDER 1	7	5	2	256,278	130,761	125,517	2.7 *	3.8 *	1.6 *	0.7	4.8	0.5	7.2	0.0	3.8
1 - 4	27	13	14	950,953	485,542	465,411	2.8	2.7 *	3.0 *	1.8	3.9	1.2	4.1	1.4	4.6
5 - 14	75	39	36	2,449,592	1,252,436	1,197,156	3.1	3.1	3.0	2.4	3.8	2.1	4.1	2.0	4.0
15 - 24	102	69	33	2,147,131	1,140,661	1,006,470	4.8	6.0	3.3	3.8	5.7	4.6	7.5	2.2	4.4
25 - 34	156	83	73	2,222,788	1,182,208	1,040,580	7.0	7.0	7.0	5.9	8.1	5.5	8.5	5.4	8.6
35 - 44	426	175	251	1,788,037	924,255	863,782	23.8	18.9	29.1	21.6	26.1	16.1	21.7	25.5	32.7
45 - 54	828	394	434	1,086,080	535,046	551,034	76.2	73.6	78.8	71.0	81.4	66.4	80.9	71.4	86.2
55 - 64	1,127	586	541	554,789	259,751	295,038	203.1	225.6	183.4	191.3	215.0	207.3	243.9	167.9	198.8
65 - 74	1,578	833	745	330,157	145,276	184,881	478.0	573.4	403.0	454.4	501.5	534.5	612.3	374.0	431.9
75 - 84	1,458	777	681	167,231	68,658	98,573	871.8	1,131.7	690.9	827.1	916.6	1,052.1	1,211.3	639.0	742.7
85 & OLDER	598	263	335	49,930	17,160	32,770	1,197.7	1,532.6	1,022.3	1,101.7	1,293.7	1,347.4	1,717.9	912.8	1,131.7
UNKNOWN	0	0	0												
TOTAL	6,382	3,237	3,145	12,002,966	6,141,754	5,861,212	53.2	52.7	53.7	51.9	54.5	50.9	54.5	51.8	55.5
AGE-ADJUSTED							123.4	147.5	106.8	120.1	126.6	141.9	153.1	102.9	110.7

Note: ICD-10 Codes C00-C97; rates are per 100,000 population.
Year 2000 U.S. standard population is used for age-adjusted rates.
American Indian, Asian, Black, Pacific Islander, White, and
Two or More Races exclude Hispanic ethnicity.
Hispanic includes any race category.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent.
+ Standard error indeterminate, death rate based on no (zero) deaths.
- Confidence limit is not calculated for no (zero) deaths.

Source: State of California, Department of Finance, Population Projections with Age, Sex and Race/Ethnic Detail, 2000-2050, May 2004.
State of California, Department of Health Services, Death Records.

TABLE 2 (Continued)
CANCER DEATHS BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2002
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL		MALE		FEMALE	
										LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL															
UNDER 1	19	11	8	516,411	263,488	252,923	3.7	4.2 *	3.2 *	2.0	5.3	1.7	6.6	1.0	5.4
1 - 4	63	31	32	1,976,342	1,010,549	965,793	3.2	3.1	3.3	2.4	4.0	2.0	4.1	2.2	4.5
5 - 14	167	97	70	5,412,306	2,773,346	2,638,960	3.1	3.5	2.7	2.6	3.6	2.8	4.2	2.0	3.3
15 - 24	220	140	80	5,045,468	2,631,609	2,413,859	4.4	5.3	3.3	3.8	4.9	4.4	6.2	2.6	4.0
25 - 34	443	225	218	5,288,247	2,724,113	2,564,134	8.4	8.3	8.5	7.6	9.2	7.2	9.3	7.4	9.6
35 - 44	1,671	691	980	5,607,549	2,846,141	2,761,408	29.8	24.3	35.5	28.4	31.2	22.5	26.1	33.3	37.7
45 - 54	4,982	2,397	2,585	4,679,130	2,308,857	2,370,273	106.5	103.8	109.1	103.5	109.4	99.7	108.0	104.9	113.3
55 - 64	8,919	4,759	4,160	2,962,280	1,429,870	1,532,410	301.1	332.8	271.5	294.8	307.3	323.4	342.3	263.2	279.7
65 - 74	13,500	7,246	6,254	1,954,020	896,870	1,057,150	690.9	807.9	591.6	679.2	702.5	789.3	826.5	576.9	606.3
75 - 84	16,228	8,352	7,876	1,383,065	571,663	811,402	1,173.3	1,461.0	970.7	1,155.3	1,191.4	1,429.7	1,492.3	949.2	992.1
85 & OLDER	7,714	3,510	4,204	513,989	171,306	342,683	1,500.8	2,049.0	1,226.8	1,467.3	1,534.3	1,981.2	2,116.8	1,189.7	1,263.9
UNKNOWN	0	0	0												
TOTAL	53,926	27,459	26,467	35,338,807	17,627,812	17,710,995	152.6	155.8	149.4	151.3	153.9	153.9	157.6	147.6	151.2
AGE-ADJUSTED							169.4	200.2	148.0	168.0	170.8	197.8	202.6	146.2	149.8
PACIFIC ISLANDER															
UNDER 1	0	0	0	1,380	704	676	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	6,245	3,232	3,013	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	1	1	0	20,353	10,399	9,954	4.9 *	9.6 *	0.0 +	0.0	14.5	0.0	28.5	-	-
15 - 24	1	1	0	20,827	10,624	10,203	4.8 *	9.4 *	0.0 +	0.0	14.2	0.0	27.9	-	-
25 - 34	5	4	1	20,421	10,039	10,382	24.5 *	39.8 *	9.6 *	3.0	45.9	0.8	78.9	0.0	28.5
35 - 44	6	2	4	20,560	10,290	10,270	29.2 *	19.4 *	38.9 *	5.8	52.5	0.0	46.4	0.8	77.1
45 - 54	25	13	12	14,309	7,090	7,219	174.7	183.4 *	166.2 *	106.2	243.2	83.7	283.0	72.2	260.3
55 - 64	31	18	13	8,156	3,960	4,196	380.1	454.5 *	309.8 *	246.3	513.9	244.6	664.5	141.4	478.2
65 - 74	30	10	20	4,585	2,196	2,389	654.3	455.4 *	837.2	420.2	888.4	173.1	737.6	470.3	1,204.1
75 - 84	20	10	10	1,925	831	1,094	1,039.0	1,203.4 *	914.1 *	583.6	1,494.3	457.5	1,949.2	347.5	1,480.6
85 & OLDER	9	5	4	643	261	382	1,399.7 *	1,915.7 *	1,047.1 *	485.2	2,314.2	236.5	3,594.9	20.9	2,073.3
UNKNOWN	0	0	0												
TOTAL	128	64	64	119,404	59,626	59,778	107.2	107.3	107.1	88.6	125.8	81.0	133.6	80.8	133.3
AGE-ADJUSTED							177.7	189.4	169.6	144.4	210.9	137.2	241.6	125.9	213.3
WHITE															
UNDER 1	5	2	3	150,846	76,936	73,910	3.3 *	2.6 *	4.1 *	0.4	6.2	0.0	6.2	0.0	8.7
1 - 4	24	10	14	613,463	314,208	299,255	3.9	3.2 *	4.7 *	2.3	5.5	1.2	5.2	2.2	7.1
5 - 14	63	39	24	1,819,031	935,673	883,358	3.5	4.2	2.7	2.6	4.3	2.9	5.5	1.6	3.8
15 - 24	83	50	33	1,802,388	930,873	871,515	4.6	5.4	3.8	3.6	5.6	3.9	6.9	2.5	5.1
25 - 34	197	96	101	1,956,447	999,574	956,873	10.1	9.6	10.6	8.7	11.5	7.7	11.5	8.5	12.6
35 - 44	894	372	522	2,625,877	1,342,353	1,283,524	34.0	27.7	40.7	31.8	36.3	24.9	30.5	37.2	44.2
45 - 54	3,031	1,476	1,555	2,599,031	1,304,396	1,294,635	116.6	113.2	120.1	112.5	120.8	107.4	118.9	114.1	126.1
55 - 64	6,131	3,254	2,877	1,825,358	898,529	926,829	335.9	362.1	310.4	327.5	344.3	349.7	374.6	299.1	321.8
65 - 74	9,765	5,284	4,481	1,242,058	582,927	659,131	786.2	906.5	679.8	770.6	801.8	882.0	930.9	659.9	699.7
75 - 84	12,650	6,425	6,225	996,270	411,887	584,383	1,269.7	1,559.9	1,065.2	1,247.6	1,291.9	1,521.8	1,598.0	1,038.8	1,091.7
85 & OLDER	6,267	2,834	3,433	391,271	127,805	263,466	1,601.7	2,217.4	1,303.0	1,562.0	1,641.4	2,135.8	2,299.1	1,259.4	1,346.6
UNKNOWN	0	0	0												
TOTAL	39,110	19,842	19,268	16,022,040	7,925,161	8,096,879	244.1	250.4	238.0	241.7	246.5	246.9	253.9	234.6	241.3
AGE-ADJUSTED							187.0	218.4	165.4	185.2	188.9	215.4	221.5	163.0	167.8
TWO OR MORE RACES															
UNDER 1	0	0	0	33,862	17,293	16,569	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	1	1	0	90,955	46,504	44,451	1.1 *	2.2 *	0.0 +	0.0	3.3	0.0	6.4	-	-
5 - 14	0	0	0	165,720	83,871	81,849	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 - 24	2	1	1	121,398	59,842	61,556	1.6 *	1.7 *	1.6 *	0.0	3.9	0.0	4.9	0.0	4.8
25 - 34	0	0	0	83,608	40,226	43,382	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
35 - 44	9	4	5	78,501	37,691	40,810	11.5 *	10.6 *	12.3 *	4.0	19.0	0.2	21.0	1.5	23.0
45 - 54	14	5	9	60,838	28,791	32,047	23.0 *	17.4 *	28.1 *	11.0	35.1	2.1	32.6	9.7	46.4
55 - 64	14	7	7	35,340	16,631	18,709	39.6 *	42.1 *	37.4 *	18.9	60.4	10.9	73.3	9.7	65.1
65 - 74	16	8	8	20,524	9,487	11,037	78.0 *	84.3 *	72.5 *	39.8	116.2	25.9	142.8	22.3	122.7
75 - 84	12	8	4	11,725	5,056	6,669	102.3 *	158.2 *	60.0 *	44.4	160.3	48.6	267.9	1.2	118.8
85 & OLDER	4	2	2	3,997	1,427	2,570	100.1 *	140.2 *	77.8 *	2.0	198.1	0.0	334.4	0.0	185.7
UNKNOWN	0	0	0												
TOTAL	72	36	36	706,468	346,819	359,649	10.2	10.4	10.0	7.8	12.5	7.0	13.8	6.7	13.3
AGE-ADJUSTED							20.0	22.9	18.0	15.2	24.8	15.0	30.9	12.0	23.9

Note: ICD-10 Codes C00-C97; rates are per 100,000 population.

Year 2000 U.S. standard population is used for age-adjusted rates.

American Indian, Asian, Black, Pacific Islander, White, and

Two or More Races exclude Hispanic ethnicity.

Hispanic includes any race category.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

+ Standard error indeterminate, death rate based on no (zero) deaths.

- Confidence limit is not calculated for no (zero) deaths.

Source: State of California, Department of Finance, Population Projections with Age, Sex and Race/Ethnic Detail, 2000-2050, May 2004.

State of California, Department of Health Services, Death Records.

TABLE 3
CANCER DEATHS BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2001
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL		MALE		FEMALE	
										LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL															
UNDER 1	10	1	9	518,927	264,741	254,186	1.9 *	0.4 *	3.5 *	0.7	3.1	0.0	1.1	1.2	5.9
1 - 4	71	32	39	1,960,105	1,002,866	957,239	3.6	3.2	4.1	2.8	4.5	2.1	4.3	2.8	5.4
5 - 14	153	78	75	5,377,327	2,755,213	2,622,114	2.8	2.8	2.9	2.4	3.3	2.2	3.5	2.2	3.5
15 - 24	216	138	78	4,956,819	2,584,393	2,372,426	4.4	5.3	3.3	3.8	4.9	4.4	6.2	2.6	4.0
25 - 34	485	229	256	5,284,524	2,720,908	2,563,616	9.2	8.4	10.0	8.4	10.0	7.3	9.5	8.8	11.2
35 - 44	1,776	793	983	5,566,274	2,820,571	2,745,703	31.9	28.1	35.8	30.4	33.4	26.2	30.1	33.6	38.0
45 - 54	5,075	2,406	2,669	4,552,753	2,244,282	2,308,471	111.5	107.2	115.6	108.4	114.5	102.9	111.5	111.2	120.0
55 - 64	8,577	4,548	4,029	2,774,474	1,337,024	1,437,450	309.1	340.2	280.3	302.6	315.7	330.3	350.0	271.6	288.9
65 - 74	13,781	7,319	6,462	1,920,122	876,170	1,043,952	717.7	835.3	619.0	705.7	729.7	816.2	854.5	603.9	634.1
75 - 84	16,206	8,302	7,904	1,341,150	551,924	789,226	1,208.4	1,504.2	1,001.5	1,189.8	1,227.0	1,471.8	1,536.5	979.4	1,023.6
85 & OLDER	7,459	3,408	4,051	477,265	155,766	321,499	1,562.9	2,187.9	1,260.0	1,527.4	1,598.3	2,114.4	2,261.4	1,221.2	1,298.8
UNKNOWN	1	1	0												
TOTAL	53,810	27,255	26,555	34,729,740	17,313,858	17,415,882	154.9	157.4	152.5	153.6	156.2	155.5	159.3	150.6	154.3
AGE-ADJUSTED							175.5	207.7	153.7	174.0	177.0	205.2	210.2	151.8	155.5
AMERICAN INDIAN															
UNDER 1	0	0	0	1,038	535	503	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	1	1	0	10,963	5,601	5,362	9.1 *	17.9 *	0.0 +	0.0	27.0	0.0	52.8	-	-
5 - 14	1	1	0	35,606	18,114	17,492	2.8 *	5.5 *	0.0 +	0.0	8.3	0.0	16.3	-	-
15 - 24	2	2	0	33,978	17,440	16,538	5.9 *	11.5 *	0.0 +	0.0	14.0	0.0	27.4	-	-
25 - 34	1	1	0	30,478	15,239	15,239	3.3 *	6.6 *	0.0 +	0.0	9.7	0.0	19.4	-	-
35 - 44	8	5	3	37,042	18,030	19,012	21.6 *	27.7 *	15.8 *	6.6	36.6	3.4	52.0	0.0	33.6
45 - 54	20	10	10	32,579	15,481	17,098	61.4	64.6 *	58.5 *	34.5	88.3	24.6	104.6	22.2	94.7
55 - 64	26	12	14	18,780	9,021	9,759	138.4	133.0 *	143.5 *	85.2	191.7	57.8	208.3	68.3	218.6
65 - 74	52	32	20	9,505	4,399	5,106	547.1	727.4	391.7	398.4	695.8	475.4	979.5	220.0	563.4
75 - 84	47	21	26	4,872	1,990	2,882	964.7	1,055.3	902.2	688.9	1,240.5	603.9	1,506.6	555.4	1,248.9
85 & OLDER	9	4	5	2,163	734	1,429	416.1 *	545.0 *	349.9 *	144.2	687.9	10.9	1,079.0	43.2	656.6
UNKNOWN	0	0	0												
TOTAL	167	89	78	217,004	106,584	110,420	77.0	83.5	70.6	65.3	88.6	66.2	100.9	55.0	86.3
AGE-ADJUSTED							111.9	132.9	94.7	94.2	129.5	103.6	162.2	73.1	116.4
ASIAN															
UNDER 1	1	0	1	47,353	24,180	23,173	2.1 *	0.0 +	4.3 *	0.0	6.3	-	-	0.0	12.8
1 - 4	5	2	3	175,354	90,196	85,158	2.9 *	2.2 *	3.5 *	0.4	5.4	0.0	5.3	0.0	7.5
5 - 14	14	7	7	506,076	261,333	244,743	2.8 *	2.7 *	2.9 *	1.3	4.2	0.7	4.7	0.7	5.0
15 - 24	21	11	10	558,118	283,682	274,436	3.8	3.9 *	3.6 *	2.2	5.4	1.6	6.2	1.4	5.9
25 - 34	53	25	28	652,150	316,603	335,547	8.1	7.9	8.3	5.9	10.3	4.8	11.0	5.3	11.4
35 - 44	194	87	107	654,655	311,736	342,919	29.6	27.9	31.2	25.5	33.8	22.0	33.8	25.3	37.1
45 - 54	515	228	287	559,132	259,407	299,725	92.1	87.9	95.8	84.2	100.1	76.5	99.3	84.7	106.8
55 - 64	692	381	311	317,844	147,600	170,244	217.7	258.1	182.7	201.5	233.9	232.2	284.0	162.4	203.0
65 - 74	991	517	474	226,106	97,488	128,618	438.3	530.3	368.5	411.0	465.6	484.6	576.0	335.4	401.7
75 - 84	1,085	594	491	127,700	54,562	73,138	849.6	1,088.7	671.3	799.1	900.2	1,001.1	1,176.2	612.0	730.7
85 & OLDER	431	232	199	36,199	14,378	21,821	1,190.6	1,613.6	912.0	1,078.2	1,303.0	1,405.9	1,821.2	785.3	1,038.7
UNKNOWN	0	0	0												
TOTAL	4,002	2,084	1,918	3,860,687	1,861,165	1,999,522	103.7	112.0	95.9	100.4	106.9	107.2	116.8	91.6	100.2
AGE-ADJUSTED							124.0	149.9	104.8	120.0	127.9	143.3	156.5	100.1	109.6
BLACK															
UNDER 1	0	0	0	28,498	14,527	13,971	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	4	3	1	129,558	65,928	63,630	3.1 *	4.6 *	1.6 *	0.1	6.1	0.0	9.7	0.0	4.7
5 - 14	10	7	3	405,206	205,997	199,209	2.5 *	3.4 *	1.5 *	0.9	4.0	0.9	5.9	0.0	3.2
15 - 24	7	5	2	341,761	176,140	165,621	2.0 *	2.8 *	1.2 *	0.5	3.6	0.4	5.3	0.0	2.9
25 - 34	38	13	25	328,784	162,827	165,957	11.6	8.0 *	15.1	7.9	15.2	3.6	12.3	9.2	21.0
35 - 44	190	84	106	390,384	194,372	196,012	48.7	43.2	54.1	41.7	55.6	34.0	52.5	43.8	64.4
45 - 54	538	242	296	289,801	140,000	149,801	185.6	172.9	197.6	170.0	201.3	151.1	194.6	175.1	220.1
55 - 64	836	453	383	170,354	79,371	90,983	490.7	570.7	421.0	457.5	524.0	518.2	623.3	378.8	463.1
65 - 74	1,120	624	496	108,917	48,723	60,194	1,028.3	1,280.7	824.0	968.1	1,088.5	1,180.2	1,381.2	751.5	896.5
75 - 84	932	514	418	60,927	23,448	37,479	1,529.7	2,192.1	1,115.3	1,431.5	1,627.9	2,002.6	2,381.6	1,008.4	1,222.2
85 & OLDER	375	169	206	21,657	6,331	15,326	1,731.5	2,669.4	1,344.1	1,556.3	1,906.8	2,266.9	3,071.9	1,160.6	1,527.7
UNKNOWN	0	0	0												
TOTAL	4,050	2,114	1,936	2,275,847	1,117,664	1,158,183	178.0	189.1	167.2	172.5	183.4	181.1	197.2	159.7	174.6
AGE-ADJUSTED							241.5	306.6	200.0	233.9	249.1	292.9	320.3	191.0	208.9
HISPANIC															
UNDER 1	8	1	7	253,961	129,573	124,388	3.2 *	0.8 *	5.6 *	1.0	5.3	0.0	2.3	1.5	9.8
1 - 4	36	14	22	938,287	479,043	459,244	3.8	2.9 *	4.8	2.6	5.1	1.4	4.5	2.8	6.8
5 - 14	74	36	38	2,385,392	1,219,250	1,166,142	3.1	3.0	3.3	2.4	3.8	2.0	3.9	2.2	4.3
15 - 24	105	77	28	2,090,373	1,113,138	977,235	5.0	6.9	2.9	4.1	6.0	5.4	8.5	1.8	3.9
25 - 34	179	87	92	2,148,856	1,142,461	1,006,395	8.3	7.6	9.1	7.1	9.6	6.0	9.2	7.3	11.0
35 - 44	426	176	250	1,698,401	876,555	821,846	25.1	20.1	30.4	22.7	27.5	17.1	23.0	26.6	34.2
45 - 54	843	363	480	1,013,711	498,885	514,826	83.2	72.8	93.2	77.5	88.8	65.3	80.2	64.9	101.6
55 - 64	1,054	538	516	515,325	240,811	274,514	204.5	223.4	188.0	192.2	216.9	204.5	242.3	171.7	204.2
65 - 74	1,567	855	712	315,002	138,023	176,979	497.5	619.5	402.3	472.8	522.1	577.9	661.0	372.8	431.9
75 - 84	1,410	762	648	153,901	62,845	91,056	916.2	1,212.5	711.6	868.4	964.0	1,126.4	1,298.6	656.9	766.4
85 & OLDER	514	243	271	44,732	15,161	29,571	1,149.1	1,602.8	916.4	1,049.7	1,248.4	1,401.3	1,804.3	807.3	1,025.6
UNKNOWN	0	0	0												
TOTAL	6,216	3,152	3,064	11,557,941	5,915,745	5,642,196	53.8	53.3	54.3	52.4	55.1	51.4	55.1	52.4	56.2
AGE-ADJUSTED							127.4	155.3	109.1	124.0	130.8	149.3	161.3	105.0	113.1

Note: ICD-10 Codes C00-C97; rates are per 100,000 population.
Year 2000 U.S. standard population is used for age-adjusted rates.
American Indian, Asian, Black, Pacific Islander, White, and
Two or More Races exclude Hispanic ethnicity.
Hispanic includes any race category.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent.
+ Standard error indeterminate, death rate based on no (zero) deaths.
- Confidence limit is not calculated for no (zero) deaths.

Source: State of California, Department of Finance, Population Projections with Age, Sex and Race/Ethnic Detail, 2000-2050, May 2004.
State of California, Department of Health Services, Death Records.

TABLE 3 (Continued)
CANCER DEATHS BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2001
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL		MALE		FEMALE	
										LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL															
UNDER 1	10	1	9	518,927	264,741	254,186	1.9 *	0.4 *	3.5 *	0.7	3.1	0.0	1.1	1.2	5.9
1 - 4	71	32	39	1,960,105	1,002,866	957,239	3.6	3.2	4.1	2.8	4.5	2.1	4.3	2.8	5.4
5 - 14	153	78	75	5,377,327	2,755,213	2,622,114	2.8	2.8	2.9	2.4	3.3	2.2	3.5	2.2	3.5
15 - 24	216	138	78	4,956,819	2,584,393	2,372,426	4.4	5.3	3.3	3.8	4.9	4.4	6.2	2.6	4.0
25 - 34	485	229	256	5,284,524	2,720,908	2,563,616	9.2	8.4	10.0	8.4	10.0	7.3	9.5	8.8	11.2
35 - 44	1,776	793	983	5,566,274	2,820,571	2,745,703	31.9	28.1	35.8	30.4	33.4	26.2	30.1	33.6	38.0
45 - 54	5,075	2,406	2,669	4,552,753	2,244,282	2,308,471	111.5	107.2	115.6	108.4	114.5	102.9	111.5	111.2	120.0
55 - 64	8,577	4,548	4,029	2,774,474	1,337,024	1,437,450	309.1	340.2	280.3	302.6	315.7	330.3	350.0	271.6	288.9
65 - 74	13,781	7,319	6,462	1,920,122	876,170	1,043,952	717.7	835.3	619.0	705.7	729.7	816.2	854.5	603.9	634.1
75 - 84	16,206	8,302	7,904	1,341,150	551,924	789,226	1,208.4	1,504.2	1,001.5	1,189.8	1,227.0	1,471.8	1,536.5	979.4	1,023.6
85 & OLDER	7,459	3,408	4,051	477,265	155,766	321,499	1,562.9	2,187.9	1,260.0	1,527.4	1,598.3	2,114.4	2,261.4	1,221.2	1,298.8
UNKNOWN	1	1	0												
TOTAL	53,810	27,255	26,555	34,729,740	17,313,858	17,415,882	154.9	157.4	152.5	153.6	156.2	155.5	159.3	150.6	154.3
AGE-ADJUSTED							175.5	207.7	153.7	174.0	177.0	205.2	210.2	151.8	155.5
PACIFIC ISLANDER															
UNDER 1	0	0	0	1,310	667	643	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	6,581	3,414	3,167	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	0	0	0	20,255	10,333	9,922	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 - 24	0	0	0	20,544	10,503	10,041	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
25 - 34	4	3	1	20,167	9,883	10,284	19.8 *	30.4 *	9.7 *	0.4	39.3	0.0	64.7	0.0	28.8
35 - 44	12	3	9	19,860	9,978	9,882	60.4 *	30.1 *	91.1 *	26.2	94.6	0.0	64.1	31.6	150.6
45 - 54	18	10	8	13,551	6,720	6,831	132.8 *	148.8 *	117.1 *	71.5	194.2	56.6	241.0	36.0	198.3
55 - 64	38	18	20	7,615	3,702	3,913	499.0	486.2 *	511.1	340.4	657.7	261.6	710.8	287.1	735.1
65 - 74	34	22	12	4,259	2,035	2,224	798.3	1,081.1	539.6 *	530.0	1,066.7	629.3	1,532.8	234.3	844.9
75 - 84	19	13	6	1,674	725	949	1,135.0	1,793.1 *	632.2 *	624.6	1,645.4	818.4	2,767.8	126.3	1,138.1
85 & OLDER	5	3	2	521	200	321	959.7 *	1,500.0 *	623.1 *	118.5	1,800.9	0.0	3,197.4	0.0	1,486.6
UNKNOWN	0	0	0												
TOTAL	130	72	58	116,337	58,160	58,177	111.7	123.8	99.7	92.5	131.0	95.2	152.4	74.0	125.4
AGE-ADJUSTED							192.5	246.6	150.2	156.3	228.6	182.6	310.5	108.9	191.4
WHITE															
UNDER 1	0	0	0	153,306	78,168	75,138	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	23	12	11	624,482	320,442	304,040	3.7	3.7 *	3.6 *	2.2	5.2	1.6	5.9	1.5	5.8
5 - 14	54	27	27	1,862,124	957,903	904,221	2.9	2.8	3.0	2.1	3.7	1.8	3.9	1.9	4.1
15 - 24	79	43	36	1,796,019	926,636	869,383	4.4	4.6	4.1	3.4	5.4	3.3	6.0	2.8	5.5
25 - 34	208	100	108	2,022,119	1,034,396	987,723	10.3	9.7	10.9	8.9	11.7	7.8	11.6	8.9	13.0
35 - 44	940	433	507	2,687,568	1,372,319	1,315,249	35.0	31.6	38.5	32.7	37.2	28.6	34.5	35.2	41.9
45 - 54	3,131	1,549	1,582	2,585,433	1,296,139	1,289,294	121.1	119.5	122.7	116.9	125.3	113.6	125.5	116.7	128.7
55 - 64	5,913	3,137	2,776	1,711,671	840,997	870,674	345.5	373.0	318.8	336.6	354.3	360.0	386.1	307.0	330.7
65 - 74	10,000	5,257	4,743	1,236,729	576,477	660,252	808.6	911.9	718.4	792.7	824.4	887.3	936.6	697.9	738.8
75 - 84	12,702	6,395	6,307	981,305	403,775	577,530	1,294.4	1,583.8	1,092.1	1,271.9	1,316.9	1,545.0	1,622.6	1,065.1	1,119.0
85 & OLDER	6,119	2,755	3,364	368,575	117,768	250,807	1,660.2	2,339.3	1,341.3	1,618.6	1,701.8	2,252.0	2,426.7	1,295.9	1,386.6
UNKNOWN	1	1	0												
TOTAL	39,170	19,709	19,461	16,029,331	7,925,020	8,104,311	244.4	248.7	240.1	241.9	246.8	245.2	252.2	236.8	243.5
AGE-ADJUSTED							192.0	223.9	170.5	190.1	193.9	220.7	227.0	168.1	173.0
TWO OR MORE RACES															
UNDER 1	1	0	1	33,461	17,091	16,370	3.0 *	0.0 +	6.1 *	0.0	8.8	-	-	0.0	18.1
1 - 4	2	0	2	74,880	38,242	36,638	2.7 *	0.0 +	5.5 *	0.0	6.4	-	-	0.0	13.0
5 - 14	0	0	0	162,668	82,283	80,385	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 - 24	2	0	2	116,026	56,854	59,172	1.7 *	0.0 +	3.4 *	0.0	4.1	-	-	0.0	8.1
25 - 34	2	0	2	81,970	39,499	42,471	2.4 *	0.0 +	4.7 *	0.0	5.8	-	-	0.0	11.2
35 - 44	6	5	1	78,364	37,581	40,783	7.7 *	13.3 *	2.5 *	1.5	13.8	1.6	25.0	0.0	7.3
45 - 54	10	4	6	58,546	27,650	30,896	17.1 *	14.5 *	19.4 *	6.5	27.7	0.3	28.6	3.9	35.0
55 - 64	18	9	9	32,885	15,522	17,363	54.7 *	58.0 *	51.8 *	29.4	80.0	20.1	95.9	18.0	85.7
65 - 74	17	12	5	19,604	9,025	10,579	86.7 *	133.0 *	47.3 *	45.5	127.9	57.7	208.2	5.8	88.7
75 - 84	11	3	8	10,771	4,579	6,192	102.1 *	65.5 *	129.2 *	41.8	162.5	0.0	139.7	39.7	218.7
85 & OLDER	6	2	4	3,418	1,194	2,224	175.5 *	167.5 *	179.9 *	35.1	316.0	0.0	399.7	3.6	356.1
UNKNOWN	0	0	0												
TOTAL	75	35	40	672,593	329,520	343,073	11.2	10.6	11.7	8.6	13.7	7.1	14.1	8.0	15.3
AGE-ADJUSTED							22.1	23.5	20.7	16.8	27.4	15.3	31.7	13.9	27.5

Note: ICD-10 Codes C00-C97; rates are per 100,000 population.

Year 2000 U.S. standard population is used for age-adjusted rates.

American Indian, Asian, Black, Pacific Islander, White, and

Two or More Races exclude Hispanic ethnicity.

Hispanic includes any race category.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

+ Standard error indeterminate, death rate based on no (zero) deaths.

- Confidence limit is not calculated for no (zero) deaths.

Source: State of California, Department of Finance, Population Projections with Age, Sex and Race/Ethnic Detail, 2000-2050, May 2004.

State of California, Department of Health Services, Death Records.

TABLE 4
CANCER DEATHS BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2000
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL															
UNDER 1	9	5	4	491,073	251,541	239,532	1.8 *	2.0 *	1.7 *	0.6	3.0	0.2	3.7	0.0	3.3
1 - 4	57	40	17	1,990,873	1,018,496	972,377	2.9	3.9	1.7 *	2.1	3.6	2.7	5.1	0.9	2.6
5 - 14	141	83	58	5,310,526	2,720,715	2,589,811	2.7	3.1	2.2	2.2	3.1	2.4	3.7	1.7	2.8
15 - 24	232	143	89	4,860,696	2,532,547	2,328,149	4.8	5.6	3.8	4.2	5.4	4.7	6.6	3.0	4.6
25 - 34	465	232	233	5,245,273	2,702,010	2,543,263	8.9	8.6	9.2	8.1	9.7	7.5	9.7	8.0	10.3
35 - 44	1,750	726	1,024	5,499,218	2,780,657	2,718,561	31.8	26.1	37.7	30.3	33.3	24.2	28.0	35.4	40.0
45 - 54	4,742	2,251	2,491	4,376,695	2,156,077	2,220,618	108.3	104.4	112.2	105.3	111.4	100.1	108.7	107.8	116.6
55 - 64	8,535	4,443	4,092	2,641,560	1,270,830	1,370,730	323.1	349.6	298.5	316.2	330.0	339.3	359.9	289.4	307.7
65 - 74	13,744	7,320	6,424	1,894,010	858,793	1,035,217	725.7	852.4	620.5	713.5	737.8	832.8	871.9	605.4	635.7
75 - 84	16,043	8,140	7,903	1,294,989	530,932	764,057	1,238.9	1,533.2	1,034.3	1,219.7	1,258.0	1,499.8	1,566.5	1,011.5	1,057.2
85 & OLDER	7,283	3,372	3,911	438,285	139,496	298,789	1,661.7	2,417.3	1,309.0	1,623.5	1,699.9	2,335.7	2,498.9	1,267.9	1,350.0
UNKNOWN	4	4	0												
TOTAL	53,005	26,759	26,246	34,043,198	16,962,094	17,081,104	155.7	157.8	153.7	154.4	157.0	155.9	159.6	151.8	155.5
AGE-ADJUSTED							179.6	214.0	157.2	178.1	181.2	211.4	216.6	155.3	159.1
AMERICAN INDIAN															
UNDER 1	0	0	0	2,114	1,092	1,022	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	10,167	5,187	4,980	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	0	0	0	31,221	15,950	15,271	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 - 24	0	0	0	29,523	15,222	14,301	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
25 - 34	0	0	0	27,859	14,045	13,814	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
35 - 44	8	4	4	33,478	16,332	17,146	23.9 *	24.5 *	23.3 *	7.3	40.5	0.5	48.5	0.5	46.2
45 - 54	29	15	14	28,222	13,455	14,767	102.8	111.5 *	94.8 *	65.4	140.2	55.1	167.9	45.1	144.5
55 - 64	42	16	26	16,150	7,762	8,388	260.1	206.1 *	310.0	181.4	338.7	105.1	307.1	190.8	429.1
65 - 74	53	29	24	8,411	3,901	4,510	630.1	743.4	532.2	460.5	799.8	472.8	1,014.0	319.2	745.1
75 - 84	41	24	17	4,190	1,699	2,491	978.5	1,412.6	682.5 *	679.0	1,278.0	847.4	1,977.8	358.0	1,006.9
85 & OLDER	15	6	9	1,418	448	970	1,057.8 *	1,339.3 *	927.8 *	522.5	1,593.2	267.6	2,410.9	321.6	1,534.0
UNKNOWN	0	0	0												
TOTAL	188	94	94	192,753	95,093	97,660	97.5	98.9	96.3	83.6	111.5	78.9	118.8	76.8	115.7
AGE-ADJUSTED							142.3	170.2	123.8	121.0	163.6	132.9	207.5	98.0	149.5
ASIAN															
UNDER 1	0	0	0	42,844	21,965	20,879	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	4	3	1	177,521	91,373	86,148	2.3 *	3.3 *	1.2 *	0.0	4.5	0.0	7.0	0.0	3.4
5 - 14	11	7	4	498,621	257,574	241,047	2.2 *	2.7 *	1.7 *	0.9	3.5	0.7	4.7	0.0	3.3
15 - 24	26	13	13	552,160	279,314	272,846	4.7	4.7 *	4.8 *	2.9	6.5	2.1	7.2	2.2	7.4
25 - 34	50	24	26	642,906	311,655	331,251	7.8	7.7	7.8	5.6	9.9	4.6	10.8	4.8	10.9
35 - 44	196	96	100	639,658	302,953	336,705	30.6	31.7	29.7	26.4	34.9	25.3	38.0	23.9	35.5
45 - 54	442	206	236	528,556	245,171	283,385	83.6	84.0	83.3	75.8	91.4	72.5	95.5	72.7	93.9
55 - 64	693	374	319	300,494	138,840	161,654	230.6	269.4	197.3	213.4	247.8	242.1	296.7	175.7	219.0
65 - 74	992	556	436	217,029	93,082	123,947	457.1	597.3	351.8	428.6	485.5	547.7	647.0	318.7	384.8
75 - 84	999	556	443	116,423	49,861	66,562	858.1	1,115.1	665.5	804.9	911.3	1,022.4	1,207.8	603.6	727.5
85 & OLDER	412	232	180	30,080	12,023	18,057	1,369.7	1,929.6	996.8	1,237.4	1,501.9	1,681.3	2,177.9	851.2	1,142.5
UNKNOWN	1	1	0												
TOTAL	3,826	2,068	1,758	3,746,292	1,803,811	1,942,481	102.1	114.6	90.5	98.9	105.4	109.7	119.6	86.3	94.7
AGE-ADJUSTED							128.4	161.6	103.8	124.3	132.6	154.4	168.9	98.9	108.8
BLACK															
UNDER 1	2	1	1	29,741	15,112	14,629	6.7 *	6.6 *	6.8 *	0.0	16.0	0.0	19.6	0.0	20.2
1 - 4	3	2	1	132,430	67,365	65,065	2.3 *	3.0 *	1.5 *	0.0	4.8	0.0	7.1	0.0	4.5
5 - 14	8	5	3	397,484	201,951	195,533	2.0 *	2.5 *	1.5 *	0.6	3.4	0.3	4.6	0.0	3.3
15 - 24	26	14	12	326,641	167,718	158,923	8.0	8.3 *	7.6 *	4.9	11.0	4.0	12.7	3.3	11.8
25 - 34	36	17	19	331,100	165,044	166,056	10.9	10.3 *	11.4	7.3	14.4	5.4	15.2	6.3	16.6
35 - 44	186	79	107	383,161	190,459	192,702	48.5	41.5	55.5	41.6	55.5	32.3	50.6	45.0	66.0
45 - 54	510	252	258	274,820	132,042	142,778	185.6	190.8	180.7	169.5	201.7	167.3	214.4	158.7	202.7
55 - 64	851	430	421	164,079	76,569	87,510	518.7	561.6	481.1	483.8	553.5	508.5	614.7	435.1	527.0
65 - 74	1,000	566	434	105,017	46,402	58,615	952.2	1,219.8	740.4	893.2	1,011.2	1,119.3	1,320.3	670.8	810.1
75 - 84	890	449	441	58,654	22,382	36,272	1,517.4	2,006.1	1,215.8	1,417.7	1,617.1	1,820.5	2,191.6	1,102.3	1,329.3
85 & OLDER	368	175	193	19,689	5,604	14,085	1,869.1	3,122.8	1,370.3	1,678.1	2,060.0	2,660.1	3,585.4	1,176.9	1,563.6
UNKNOWN	0	0	0												
TOTAL	3,880	1,990	1,890	2,222,816	1,090,648	1,132,168	174.6	182.5	166.9	169.1	180.0	174.4	190.5	159.4	174.5
AGE-ADJUSTED							241.2	303.6	203.0	233.4	248.9	289.5	317.7	193.8	212.2
HISPANIC															
UNDER 1	2	1	1	237,496	121,585	115,911	0.8 *	0.8 *	0.9 *	0.0	2.0	0.0	2.4	0.0	2.6
1 - 4	31	23	8	948,679	484,068	464,611	3.3	4.8	1.7 *	2.1	4.4	2.8	6.7	0.5	2.9
5 - 14	66	42	24	2,299,957	1,175,384	1,124,573	2.9	3.6	2.1	2.2	3.6	2.5	4.7	1.3	3.0
15 - 24	92	54	38	2,027,816	1,080,868	946,948	4.5	5.0	4.0	3.6	5.5	3.7	6.3	2.7	5.3
25 - 34	159	83	76	2,060,173	1,095,849	964,324	7.7	7.6	7.9	6.5	8.9	5.9	9.2	6.1	9.7
35 - 44	407	152	255	1,604,089	826,047	778,042	25.4	18.4	32.8	22.9	27.8	15.5	21.3	28.8	36.8
45 - 54	708	311	397	941,053	462,923	478,130	75.2	67.2	83.0	69.7	80.8	59.7	74.6	74.9	91.2
55 - 64	1,049	545	504	481,558	224,626	256,932	217.8	242.6	196.2	204.7	231.0	222.3	263.0	179.0	213.3
65 - 74	1,514	817	697	300,409	131,275	169,134	504.0	622.4	412.1	478.6	529.4	579.7	665.0	381.5	442.7
75 - 84	1,256	676	580	141,486	57,595	83,891	887.7	1,173.7	691.4	838.6	936.8	1,085.2	1,262.2	635.1	747.6
85 & OLDER	515	239	276	40,269	13,429	26,840	1,278.9	1,779.7	1,028.3	1,168.4	1,389.4	1,554.1	2,005.4	907.0	1,149.6
UNKNOWN	0	0	0												
TOTAL	5,799	2,943	2,856	11,082,985	5,673,649	5,409,336	52.3	51.9	52.8	51.0	53.7	50.0	53.7	50.9	54.7
AGE-ADJUSTED							128.5	157.1	109.8	124.9	132.0	150.7	163.4	105.6	114.1

Note: ICD-10 Codes C00-C97; rates are per 100,000 population.
Year 2000 U.S. standard population is used for age-adjusted rates.
American Indian, Asian, Black, Pacific Islander, White, and Two or More Races exclude Hispanic ethnicity.
Hispanic includes any race category.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent.
+ Standard error indeterminate, death rate based on no (zero) deaths.
- Confidence limit is not calculated for no (zero) deaths.

Source: State of California, Department of Finance, Population Projections with Age, Sex and Race/Ethnic Detail, 2000-2050, May 2004.
State of California, Department of Health Services, Death Records.

TABLE 4 (Continued)
CANCER DEATHS BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2000
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL		MALE		FEMALE	
										LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL															
UNDER 1	9	5	4	491,073	251,541	239,532	1.8 *	2.0 *	1.7 *	0.6	3.0	0.2	3.7	0.0	3.3
1 - 4	57	40	17	1,990,873	1,018,496	972,377	2.9	3.9	1.7 *	2.1	3.6	2.7	5.1	0.9	2.6
5 - 14	141	83	58	5,310,526	2,720,715	2,589,811	2.7	3.1	2.2	2.2	3.1	2.4	3.7	1.7	2.8
15 - 24	232	143	89	4,860,696	2,532,547	2,328,149	4.8	5.6	3.8	4.2	5.4	4.7	6.6	3.0	4.6
25 - 34	465	232	233	5,245,273	2,702,010	2,543,263	8.9	8.6	9.2	8.1	9.7	7.5	9.7	8.0	10.3
35 - 44	1,750	726	1,024	5,499,218	2,780,657	2,718,561	31.8	26.1	37.7	30.3	33.3	24.2	28.0	35.4	40.0
45 - 54	4,742	2,251	2,491	4,376,695	2,156,077	2,220,618	108.3	104.4	112.2	105.3	111.4	100.1	108.7	107.8	116.6
55 - 64	8,535	4,443	4,092	2,641,560	1,270,830	1,370,730	323.1	349.6	298.5	316.2	330.0	339.3	359.9	289.4	307.7
65 - 74	13,744	7,320	6,424	1,894,010	858,793	1,035,217	725.7	852.4	620.5	713.5	737.8	832.8	871.9	605.4	635.7
75 - 84	16,043	8,140	7,903	1,294,989	530,932	764,057	1,238.9	1,533.2	1,034.3	1,219.7	1,258.0	1,499.8	1,566.5	1,011.5	1,057.2
85 & OLDER	7,283	3,372	3,911	438,285	139,496	298,789	1,661.7	2,417.3	1,309.0	1,623.5	1,699.9	2,335.7	2,498.9	1,267.9	1,350.0
UNKNOWN	4	4	0												
TOTAL	53,005	26,759	26,246	34,043,198	16,962,094	17,081,104	155.7	157.8	153.7	154.4	157.0	155.9	159.6	151.8	155.5
AGE-ADJUSTED							179.6	214.0	157.2	178.1	181.2	211.4	216.6	155.3	159.1
PACIFIC ISLANDER															
UNDER 1	0	0	0	1,549	808	741	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	0	0	0	6,723	3,451	3,272	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 - 14	1	1	0	19,919	10,178	9,741	5.0 *	9.8 *	0.0 +	0.0	14.9	0.0	29.1	-	-
15 - 24	2	2	0	19,722	10,093	9,629	10.1 *	19.8 *	0.0 +	0.0	24.2	0.0	47.3	-	-
25 - 34	3	2	1	19,378	9,582	9,796	15.5 *	20.9 *	10.2 *	0.0	33.0	0.0	49.8	0.0	30.2
35 - 44	5	4	1	18,657	9,368	9,289	26.8 *	42.7 *	10.8 *	3.3	50.3	0.9	84.5	0.0	31.9
45 - 54	26	12	14	12,625	6,288	6,337	205.9	190.8 *	220.9 *	126.8	285.1	82.9	298.8	105.2	336.7
55 - 64	23	14	9	6,958	3,397	3,561	330.6	412.1 *	252.7 *	195.5	465.6	196.2	628.0	87.6	417.9
65 - 74	33	18	15	3,792	1,804	1,988	870.3	997.8 *	754.5 *	573.3	1,167.2	536.8	1,458.7	372.7	1,136.4
75 - 84	16	6	10	1,472	624	848	1,087.0 *	961.5 *	1,179.2 *	554.3	1,619.6	192.1	1,730.9	448.3	1,910.1
85 & OLDER	3	2	1	405	147	258	740.7 *	1,360.5 *	387.6 *	0.0	1,579.0	0.0	3,246.2	0.0	1,147.3
UNKNOWN	0	0	0												
TOTAL	112	61	51	111,200	55,740	55,460	100.7	109.4	92.0	82.1	119.4	82.0	136.9	66.7	117.2
AGE-ADJUSTED							182.9	205.7	163.7	145.4	220.4	145.6	265.9	115.5	211.8
WHITE															
UNDER 1	5	3	2	155,299	79,680	75,619	3.2 *	3.8 *	2.6 *	0.4	6.0	0.0	8.0	0.0	6.3
1 - 4	18	11	7	644,970	331,193	313,777	2.8 *	3.3 *	2.2 *	1.5	4.1	1.4	5.3	0.6	3.9
5 - 14	54	28	26	1,904,163	979,233	924,930	2.8	2.9	2.8	2.1	3.6	1.8	3.9	1.7	3.9
15 - 24	86	60	26	1,794,122	925,355	868,767	4.8	6.5	3.0	3.8	5.8	4.8	8.1	1.8	4.1
25 - 34	213	104	109	2,083,017	1,066,877	1,016,140	10.2	9.7	10.7	8.9	11.6	7.9	11.6	8.7	12.7
35 - 44	941	388	553	2,742,427	1,398,317	1,344,110	34.3	27.7	41.1	32.1	36.5	25.0	30.5	37.7	44.6
45 - 54	3,015	1,449	1,566	2,535,616	1,269,871	1,265,745	118.9	114.1	123.7	114.7	123.2	108.2	120.0	117.6	129.8
55 - 64	5,862	3,054	2,808	1,641,307	804,962	836,345	357.2	379.4	335.7	348.0	366.3	365.9	392.9	323.3	348.2
65 - 74	10,139	5,328	4,811	1,240,624	573,721	666,903	817.3	928.7	721.4	801.3	833.2	903.7	953.6	701.0	741.8
75 - 84	12,830	6,421	6,409	962,896	394,629	568,267	1,332.4	1,627.1	1,127.8	1,309.4	1,355.5	1,587.3	1,666.9	1,100.2	1,155.4
85 & OLDER	5,965	2,717	3,248	343,548	106,876	236,672	1,736.3	2,542.2	1,372.4	1,692.2	1,780.4	2,446.6	2,637.8	1,325.2	1,419.6
UNKNOWN	3	3	0												
TOTAL	39,131	19,566	19,565	16,047,989	7,930,714	8,117,275	243.8	246.7	241.0	241.4	246.3	243.3	250.2	237.7	244.4
AGE-ADJUSTED							196.1	229.6	174.6	194.1	198.0	226.4	232.8	172.1	177.1
TWO OR MORE RACES															
UNDER 1	0	0	0	22,030	11,299	10,731	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 - 4	1	1	0	70,383	35,859	34,524	1.4 *	2.8 *	0.0 +	0.0	4.2	0.0	8.3	-	-
5 - 14	1	0	1	159,161	80,445	78,716	0.6 *	0.0 +	1.3 *	0.0	1.9	-	-	0.0	3.8
15 - 24	0	0	0	110,712	53,977	56,735	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
25 - 34	4	2	2	80,840	38,958	41,882	4.9 *	5.1 *	4.8 *	0.1	9.8	0.0	12.2	0.0	11.4
35 - 44	7	3	4	77,748	37,181	40,567	9.0 *	8.1 *	9.9 *	2.3	15.7	0.0	17.2	0.2	19.5
45 - 54	12	6	6	55,803	26,327	29,476	21.5 *	22.8 *	20.4 *	9.3	33.7	4.6	41.0	4.1	36.6
55 - 64	15	10	5	31,014	14,674	16,340	48.4 *	68.1 *	30.6 *	23.9	72.8	25.9	110.4	3.8	57.4
65 - 74	13	6	7	18,728	8,608	10,120	69.4 *	69.7 *	69.2 *	31.7	107.1	13.9	125.5	17.9	120.4
75 - 84	11	8	3	9,868	4,142	5,726	111.5 *	193.1 *	52.4 *	45.6	177.3	59.3	327.0	0.0	111.7
85 & OLDER	5	1	4	2,876	969	1,907	173.9 *	103.2 *	209.8 *	21.5	326.2	0.0	305.5	4.2	415.3
UNKNOWN	0	0	0												
TOTAL	69	37	32	639,163	312,439	326,724	10.8	11.8	9.8	8.2	13.3	8.0	15.7	6.4	13.2
AGE-ADJUSTED							21.7	26.0	18.0	16.3	27.1	17.0	35.1	11.5	24.5

Note: ICD-10 Codes C00-C97; rates are per 100,000 population.
Year 2000 U.S. standard population is used for age-adjusted rates.
American Indian, Asian, Black, Pacific Islander, White, and
Two or More Races exclude Hispanic ethnicity.
Hispanic includes any race category.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent.
+ Standard error indeterminate, death rate based on no (zero) deaths.
- Confidence limit is not calculated for no (zero) deaths.

Source: State of California, Department of Finance, Population Projections with Age, Sex and Race/Ethnic Detail, 2000-2050, May 2004.
State of California, Department of Health Services, Death Records.

TABLE 5
DEATHS DUE TO CANCER
CALIFORNIA COUNTIES, 2001-2003
(By Place of Residence)

COUNTY	2001-2003 DEATHS (AVERAGE)	PERCENT	2002 POPULATION	CRUDE RATE	AGE-ADJUSTED RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
		HEALTHY PEOPLE 2010 NATIONAL OBJECTIVE:			159.9		
CALIFORNIA	54,014.3	100.0	35,338,807	152.8	169.7	168.2	171.1
ALAMEDA ¹	2,290.7	4.2	1,488,074	153.9	179.1	171.7	186.5
ALPINE ²	1.3	a	1,292	103.2 *	120.2 *	0.0	326.2
AMADOR	100.7	0.2	36,637	274.8	197.0	158.3	235.7
BUTTE ¹	486.7	0.9	209,770	232.0	191.7	174.5	208.9
CALAVERAS ²	92.7	0.2	42,524	217.9	149.2	118.4	180.0
COLUSA	28.7	0.1	19,635	146.0	162.3	102.9	221.8
CONTRA COSTA	1,690.3	3.1	989,807	170.8	177.9	169.3	186.4
DEL NORTE	58.3	0.1	27,982	208.5	206.7	153.6	259.8
EL DORADO	314.0	0.6	165,463	189.8	184.2	163.6	204.8
FRESNO	1,146.0	2.1	836,207	137.0	170.0	160.1	179.9
GLENN	46.7	0.1	26,969	173.0	166.2	118.4	214.0
HUMBOLDT ¹	286.0	0.5	128,492	222.6	220.5	194.8	246.1
IMPERIAL	199.3	0.4	149,360	133.5	166.4	143.0	189.7
INYO	49.0	0.1	18,456	265.5	177.3	126.4	228.1
KERN	1,062.0	2.0	697,856	152.2	181.2	170.3	192.1
KINGS	158.0	0.3	135,123	116.9	179.6	151.2	208.0
LAKE ¹	191.7	0.4	61,352	312.4	223.8	191.7	255.8
LASSEN ²	42.3	0.1	34,129	124.0	155.1	108.0	202.3
LOS ANGELES ^{1,2}	13,581.7	25.1	9,889,170	137.3	157.0	154.3	159.6
MADERA ²	191.3	0.4	129,585	147.7	158.8	136.3	181.3
MARIN ²	474.7	0.9	250,179	189.7	157.0	142.7	171.2
MARIPOSA	39.0	0.1	17,589	221.7	160.1	109.5	210.7
MENDOCINO	195.3	0.4	88,353	221.1	197.9	169.9	225.8
MERCED	311.3	0.6	223,904	139.0	185.1	164.4	205.8
MODOC	20.0	a	9,400	212.8	160.3	88.4	232.2
MONO ²	11.0	a	13,441	81.8 *	113.8 *	39.2	188.4
MONTEREY ²	538.0	1.0	413,819	130.0	156.9	143.6	170.2
NAPA ¹	311.3	0.6	128,966	241.4	193.5	171.7	215.3
NEVADA	243.0	0.4	96,045	253.0	191.2	166.9	215.5
ORANGE	4,081.3	7.6	2,959,646	137.9	163.4	158.4	168.5
PLACER	551.3	1.0	273,338	201.7	184.1	168.7	199.5
PLUMAS	63.7	0.1	21,117	301.5	198.8	149.6	247.9
RIVERSIDE	2,905.7	5.4	1,682,408	172.7	174.7	168.4	181.1
SACRAMENTO ¹	2,223.7	4.1	1,302,647	170.7	187.9	180.1	195.8
SAN BENITO ²	58.3	0.1	55,955	104.3	145.3	107.5	183.2
SAN BERNARDINO ¹	2,531.3	4.7	1,816,398	139.4	193.6	186.0	201.2
SAN DIEGO ¹	4,655.0	8.6	2,944,585	158.1	177.1	172.0	182.2
SAN FRANCISCO	1,472.0	2.7	788,292	186.7	170.3	161.6	179.1
SAN JOAQUIN ¹	982.7	1.8	607,896	161.7	197.5	185.1	209.9
SAN LUIS OBISPO	494.7	0.9	255,449	193.6	166.4	151.7	181.1
SAN MATEO	1,228.3	2.3	711,793	172.6	164.9	155.6	174.1
SANTA BARBARA	664.3	1.2	408,471	162.6	161.3	149.0	173.6
SANTA CLARA ^{1,2}	2,113.0	3.9	1,717,059	123.1	146.3	140.0	152.6
SANTA CRUZ	377.7	0.7	259,164	145.7	163.2	146.5	179.9
SHASTA	407.7	0.8	172,130	236.8	186.7	168.4	205.1
SIERRA	9.7	a	3,524	274.3 *	190.3 *	66.7	313.9
SISKIYOU	120.3	0.2	44,628	269.6	188.2	154.3	222.2
SOLANO	644.3	1.2	411,498	156.6	172.2	158.8	185.6
SONOMA	934.3	1.7	470,723	198.5	182.2	170.4	194.1
STANISLAUS ¹	767.3	1.4	477,919	160.6	188.8	175.4	202.2
SUTTER	154.3	0.3	82,696	186.6	191.8	161.5	222.1
TEHAMA	145.7	0.3	57,649	252.7	193.7	161.8	225.5
TRINITY	33.3	0.1	13,271	251.2	173.5	113.9	233.0
TULARE	543.3	1.0	383,164	141.8	184.0	168.5	199.5
TUOLUMNE ¹	161.3	0.3	56,545	285.3	207.1	174.8	239.4
VENTURA	1,148.7	2.1	788,282	145.7	160.8	151.5	170.2
YOLO	257.7	0.5	180,193	143.0	187.1	164.1	210.0
YUBA ¹	122.3	0.2	62,788	194.8	226.0	185.7	266.2

Note: ICD-10 codes C00-C97; rates are per 100,000 population.

* Death rate unreliable (relative standard error is greater than or equal to 23 percent).

a Represents a percentage of more than zero but less than 0.05.

¹ County age-adjusted rate is significantly different from the state age-adjusted rate.

² Met or surpassed HP2010 target rate.

Source: State of California, Department of Finance, Population Estimates with Age, Sex, and Race/Ethnicity Detail, 2000-2050, May 2004.
State of California, Department of Health Services, Death Records.